

Advantech Certified Peripherals

Your Ultimate Sourcing Partner

- ✓ CF Card
- ✓ CPU
- ✓ DRAM Memory Module
- ✓ Graphics Card
- ✓ Hard Drive
- ✓ Industrial Display
- ✓ Keyboard & Mouse
- ✓ Optical Drive
- ✓ Power Supply
- ✓ RAID Controller
- ✓ Software
- ✓ Solid State Drive
- ✓ Thermal Printer

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- Keyboard & Mouse

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About Advantech Certified Peripherals

Advantech Certified Peripherals, Your Ultimate Sourcing Partner, also enables the Advantech intelligent solution. With more than 30 professional procurement specialists around the world, we have a very well-organized global procurement network and logistic infrastructure. We are capable of sourcing the best price in the world, as well as delivering products to customers within the shortest time.

With a full line of products, Advantech Certified Peripherals can provide everything that you need to build a system or solution. If the item is not covered by our standard product offerings, our regional purchasing specialists can help source any part based on a customer's specified vendor and product.

In short, the ultimate goal of us is to provide customers the most efficient services, the best quality products, and the shortest shipment lead time.



Premium Services From Us

Global Procurement Services

With professional purchasing specialists assigned around the world, Advantech Certified Peripherals is able to provide immediate and real-time response to support customers from every corner of the globe.

One-stop Shopping Services

To eliminate multiple sourcing, complex operations, higher costs in freight charges, and potential compatibility issues, Advantech Certified Peripherals offers customers a “One-stop Shopping” solution, where customers can purchase compatible peripherals based on selected motherboards, bare-bones, and semi-finished systems.

Inventory Consignment Services

For customer convenience, Advantech Certified Peripherals offers inventory consignment services at a very limited cost. Customers can temporarily place their system components in an Advantech warehouse to save freight costs for a period agreed upon by both parties.

Regional Warehouse Center

Advantech Certified Peripherals has regional inventory in China, the United States, Europe, Taiwan, Korea, Japan, Singapore, and Australia, providing prompt and efficient order delivery service.

Other Procurement Services

Advantech Certified Peripherals can provide special procurement services to customers. For example, we can do LTB (Last Time Buy) inventory reservation in regional warehouses, special sourcing for customized parts, customized tooling, customized color repaint and customized system configuration validation services.



Vendor Relationship Management

Advantech Certified Peripherals have partnered with more than a hundred manufacturers and vendors around the world and received direct support from some of the biggest players in the industry including Intel, Seagate, Western Digital, and Transcend. We are committed to maintain long-term business relationships with them. We see ourselves as a bridge between vendors and customers, helping them reach new territories, extend their customer base, and increase their revenue. In addition, as Advantech continues to explore the Internet of Things and cloud computing solutions, we take vendors' products with us, helping them keep current with the latest trends in technology. We believe the synergy between vendors and Advantech Certified Peripherals will take things to a whole new level.

Benefits in becoming one of our vendors :

- Reaching geographic locations where vendors might not have the resources on their own
- Increasing revenue and expanding customer base
- Introducing vendors' products, applications, and other solutions into the latest technology fields

Suppliers by Product Category

	COMPACT FLASH	CPU	DISPLAY MODULE	DISPLAY SET	GRAPHICS CARD	HARD DRIVE	KEYBOARD	KVM	MEMORY MODULE	MOUSE	NETWORK CARD	OPTICAL DRIVE	POWER SUPPLY	RAID CONTROLLER	SOFTWARE	SOLID-STATE DRIVE	THERMAL MODULE	THERMAL PRINTER
ADAPTEC														■				
ADATA									■									
AMD		■			■													
APACER	■								■									
AUO			■															
AUSTIN HUGES								■										
COOLER MASTER																	■	
DELTA													■					
EDT			■															
ELO			■	■														
FSP													■					
INNOLUX			■															
INTEL		■									■					■		
LG			■									■						
LITEON												■				■		
LOGITECH							■			■								
LSI														■				
MICRON									■							■		
MICROSOFT							■			■					■			
MILDEX			■															
NVIDIA					■													
SAMSUNG			■															
SEAGATE						■												
SEWOO																		■
TOSHIBA						■												
TPV				■														
TRANSCEND	■								■							■		
TSC																		■
WESTERN DIGITAL						■												
ZIPPY													■					

DRAM Memory Module

- Full range of RAM memory modules
- High standard quality assurance program
- Rigorous reliability and vibration tests
- Cross-checked, guaranteed compatibility
- Locked BOM and 3-year longevity
- Backed by lifetime warranty
- 30 μ " gold plating thickness connector



DDR3 Unbuffered



Product	AQD-D3L2GN16-SQ1	AQD-D3L4GN16-SG1	AQD-D3L8GN16-SG1
Product Description	Advantech 2G DDR3-1600 240Pin 256Mx8 1.35V Unbuffered Samsung Chip	Advantech 4G DDR3-1600 240Pin 512Mx8 1.35V Unbuffered Samsung Chip	Advantech 8G DDR3-1600 240Pin 512Mx8 1.35V Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	2 GB	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	256Mx8	512Mx8	512Mx8
Rank	1 Rank	1 Rank	2 Rank
Interface	240 pin	240 pin	240 pin
Frequency	1600 Mhz	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V	1.35 V
PCB Height	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR3 ECC



Product	AQD-D3L2GE16-SQ	AQD-D3L4GE16-SG	AQD-D3L8GE16-SG
Product Description	Advantech 2G DDR3-1600 240Pin 256Mx8 1.35V ECC Samsung Chip	Advantech 4G DDR3-1600 240Pin 512Mx8 1.35V ECC Samsung Chip	Advantech 8G DDR3-1600 240Pin 512Mx8 1.35V ECC Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	2 GB	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	256Mx8	512Mx8	512Mx8
Rank	1 Rank	1 Rank	2 Rank
Interface	240 pin	240 pin	240 pin
Frequency	1600 Mhz	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V	1.35 V
PCB Height	1.18"	1.18"	1.18"
Feature	ECC	ECC	ECC
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR3 Registered



Product	AQD-D3L4GR16-SG	AQD-D3L8GR16-SG
Product Description	Advantech 4G DDR3-1600 240Pin 512Mx8 1.35V Registered Samsung Chip	Advantech 8G DDR3-1600 240Pin 512Mx8 1.35V Registered Samsung Chip
Brand	Advantech	Advantech
Capacity	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung
Chip Organization	512Mx8	512Mx8
Rank	1 Rank	2 Rank
Interface	240 pin	240 pin
Frequency	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V
PCB Height	1.18"	1.18"
Feature	Registered	Registered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

SO-DDR3
Unbuffered

Product	AQD-SD3L1GN16-SC	AQD-SD3L2GN16-SQ1	AQD-SD3L4GN16-SG1	AQD-SD3L8GN16-SG1
Product Description	Advantech 1G SO-DDR3-1600 204Pin 128MX16 1.35V Unbuffered Samsung Chip	Advantech 2G SO-DDR3-1600 204Pin 256MX8 1.35V Unbuffered Samsung Chip	Advantech 4G SO-DDR3-1600 204Pin 512MX8 1.35V Unbuffered Samsung Chip	Advantech 8G SO-DDR3-1600 204Pin 512MX8 1.35V Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	1 GB	2 GB	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	128Mx16	256Mx8	512Mx8	512Mx8
Rank	1 Rank	1 Rank	1 Rank	2 Rank
Interface	204 pin	204 pin	204 pin	204 pin
Frequency	1600 Mhz	1600 Mhz	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V	1.35 V	1.35 V
PCB Height	1.18"	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

SO-DDR3 Unbuffered Wide-Temp



Product	AQD-SD3L4GN16-SGW	AQD-SD3L8GN16-SGW
Product Description	Advantech 4G SO-DDR3-1600 204Pin 512MX8 1.35V Unbuffered Samsung Chip Wide Temperature	Advantech 8G SO-DDR3-1600 204Pin 512MX8 1.35V Unbuffered Samsung Chip Wide Temperature
Brand	Advantech	Advantech
Capacity	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung
Chip Organization	512MX8	512MX8
Rank	1 Rank	2 Rank
Interface	204 pin	204 pin
Frequency	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V
PCB Height	1.18"	1.18"
Feature	Unbuffered	Unbuffered
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)

SO-DDR3 ECC



Product	AQD-SD3L4GE16-SG	AQD-SD3L8GE16-SG
Product Description	Advantech 4G SO-DDR3-1600 204Pin 512MX8 1.35V ECC Samsung Chip	Advantech 8G SO-DDR3-1600 204Pin 512MX8 1.35V ECC Samsung Chip
Brand	Advantech	Advantech
Capacity	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung
Chip Organization	512MX8	512MX8
Rank	1 Rank	2 Rank
Interface	204 pin	204 pin
Frequency	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V
PCB Height	1.18"	1.18"
Feature	ECC	ECC
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR4 Unbuffered



Product	AQR-D4U4GN26-SG	AQR-D4U8GN26-SE	AQR-D4U16N26-SE	AQR-D4U32GN26-SB
Product Description	Advantech 4G DDR4-2666 288Pin 512MX8 1.2V Samsung Chip	Advantech 8G DDR4-2666 288Pin 1GX8 1.2V Samsung Chip	Advantech 16G DDR4-2666 288Pin 1GX8 1.2V Samsung Chip	Advantech 32G DDR4-2666 288Pin 2GX8 1.2V Samsung Chip
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4 GB	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512MX8	1GX8	1GX8	2GX8
Rank	1 Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin	288 pin
Frequency	2666 Mhz	2666 Mhz	2666 Mhz	2666 Mhz
Voltage	1.2 V	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR4 Unbuffered



Product	96D4-4G3200NN-MI	96D4-8G3200NN-MI	96D4-16G3200NN-MI
Product Description	Micron 4GB DDR4-3200 288Pin 512MX16 1.2V Unbuffered	Micron 8GB DDR4-3200 288Pin 1GX8 1.2V Unbuffered	Micron 16GB DDR4-3200 288Pin 1GX8 1.2V Unbuffered
Brand	Micron	Micron	Micron
Capacity	4 GB	8 GB	16 GB
Chip Manufacturer	Micron	Micron	Micron
Chip Organization	512MX16	1GX8	1GX8
Rank	1 Rank	1 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.23"	1.23"	1.23"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 95°C	0 ~ 95°C	0 ~ 95°C

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
ControllerIndustrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Products

DRAM Memory Module

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DDR4 ECC



Product	AQD-D4U4GE26-SG	AQD-D4U8GE26-SE	AQD-D4U16E26-SE
Product Description	Advantech 4G DDR4-2666 288Pin 512MX8 1.2V ECC Samsung Chip	Advantech 8G DDR4-2666 288Pin 1GX8 1.2V ECC Samsung Chip	Advantech 16G DDR4-2666 288Pin 1GX8 1.2V ECC Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	4 GB	8 GB	16 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	512MX8	1GX8	1GX8
Rank	1 Rank	1 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	2666 Mhz	2666 Mhz	2666 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.23"	1.23"	1.23"
Feature	ECC	ECC	ECC
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR4 Registered



Product	AQD-D4U8GR26-SE	AQD-D4U16R26-SE	AQD-D4U32R26-SM
Product Description	Advantech 8G DDR4-2666 288Pin 1GX8 1.2V Registered Samsung Chip	Advantech 16G DDR4-2666 288Pin 1GX8 1.2V Registered Samsung Chip	Advantech 32G DDR4-2666 288Pin 2GX4 1.2V Registered Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1GX8	1GX8	2GX4
Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	2666 Mhz	2666 Mhz	2666 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.23"	1.23"	1.23"
Feature	Registered	Registered	Registered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR4 Registered



Product	96D4-8G2933ER-MI	96D4-16G2933ER-MI	96D4-32G2933ER-MI
Product Description	Micron 8G DDR4-2933 288Pin 1GX8 1.2V Registered	Micron 16G DDR4-2933 288Pin 1GX8 1.2V Registered	Micron 32G DDR4-2933 288Pin 2GX4 1.2V Registered
Brand	Micron	Micron	Micron
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Micron	Micron	Micron
Chip Organization	1GX8	1GX8	2GX4
Rank	1 Rank	1 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	2933 Mhz	2933 Mhz	2933 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.23"	1.23"	1.23"
Feature	Registered	Registered	Registered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

SO-DDR4
Unbuffered

Product	AQD-SD4U4GN26-SG	AQD-SD4U8GN26-SE	AQD-SD4U16N26-SE	AQD-SD4U32GN26-SB
Product Description	Advantech 4G SO-DDR4-2666 260Pin 512MX8 1.2V Unbuffered Samsung Chip	Advantech 8G SO-DDR4-2666 260Pin 1GX8 1.2V Unbuffered Samsung Chip	Advantech 16G SO-DDR4-2666 260Pin 1GX8 1.2V Unbuffered Samsung Chip	Advantech 32G SO-DDR4-2666 260Pin 2GX8 1.2V Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4 GB	8 GB	16 GB	16 GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512MX8	1GX8	1GX8	2GX8
Rank	1 Rank	1 Rank	2 Rank	2 Rank
Interface	260 pin	260 pin	260 pin	260 pin
Frequency	2666 Mhz	2666 Mhz	2666 Mhz	2666 Mhz
Voltage	1.2 V	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
ControllerIndustrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Products

DRAM Memory Module

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SO-DDR4 Unbuffered



Product	96SD4-4G3200NN-MI	96SD4-8G3200NN-MI	96SD4-16G3200NN-MI
Product Description	Micron 4G SO-DDR4-3200 260Pin 512MX16 1.2V Unbuffered	Micron 8G SO-DDR4-3200 260Pin 1GX8 1.2V Unbuffered	Micron 16G SO-DDR4-3200 260Pin 1GX8 1.2V Unbuffered
Brand	Micron	Micron	Micron
Capacity	4 GB	8 GB	16 GB
Chip Manufacturer	Micron	Micron	Micron
Chip Organization	512MX16	1GX8	1GX8
Rank	1 Rank	1 Rank	2 Rank
Interface	260 pin	260 pin	260 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 95°C	0 ~ 95°C	0 ~ 95°C

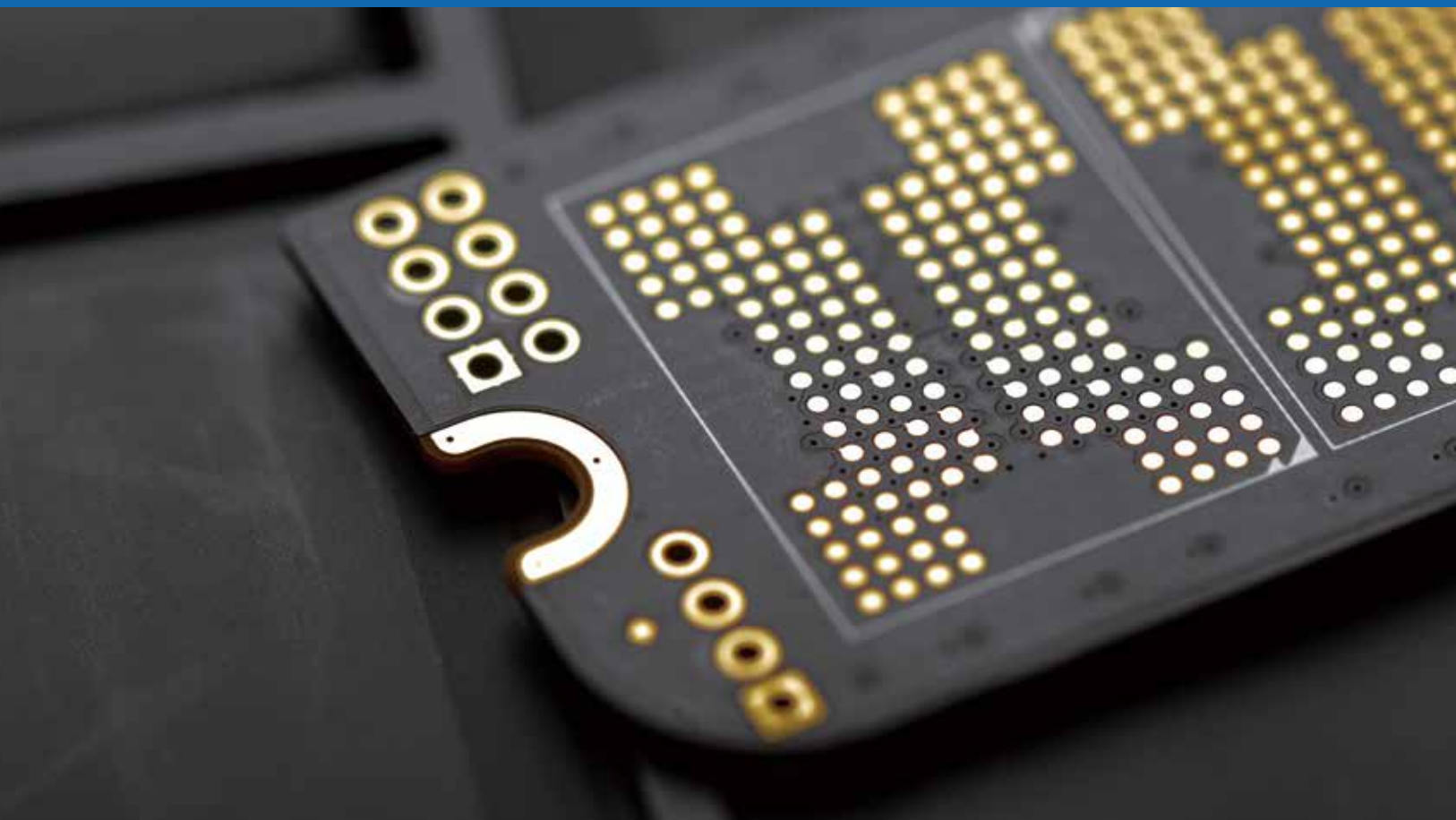
SO-DDR4 ECC



Product	AQD-SD4U4GE26-SG	AQD-SD4U8GE26-SE	AQD-SD4U16E26-SE
Product Description	Advantech 4G SO-DDR4-2666 260Pin 512MX8 1.2V ECC Samsung Chip	Advantech 8G SO-DDR4-2666 260Pin 1GX8 1.2V ECC Samsung Chip	Advantech 16G SO-DDR4-2666 260Pin 1GX8 1.2V ECC Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	4 GB	8 GB	16 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	512MX8	1GX8	1GX8
Rank	1 Rank	1 Rank	2 Rank
Interface	260 pin	260 pin	260 pin
Frequency	2666 Mhz	2666 Mhz	2666 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"
Feature	ECC	ECC	ECC
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

Solid State Drive (SSD)

- Flash-based storage for better performance
- Faster access time compared to traditional storage devices
- No moving parts for high durability in rugged environments
- High instantaneous (burst) data-transfer rates
- Small form factor suitable for space limited applications
- Maximizes existing systems with the most advanced controller technology



Products

Solid State Drive

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2.5" (Enterprise)



Product	96FD25-ST240-M53P	96FD25-ST480-M53P	96FD25-ST960-M53P	96FD25-ST1.9T-M53P
Product Description	Micron 5300PRO 2.5" 240GB SATAIII 3D TLC SSD	Micron 5300PRO 2.5" 480GB SATAIII 3DTLC SSD	Micron 5300PRO 2.5" 960GB SATAIII 3D TLC SSD	Micron 5300PRO 2.5" 1.9T SATAIII 3D TLC SSD
Manufacturer	Micron	Micron	Micron	Micron
Capacity	240 GB	480 GB	960 GB	1.9 TB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	540 MB/s	540 MB/s	540 MB/s	540 MB/s
Sequential Write Performance	310 MB/s	410 MB/s	520 MB/s	520 MB/s
Dimensions (W x H x D)	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.
MTBF (hours)	3,000,000	3,000,000	3,000,000	3,000,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	3D TLC	3D TLC	3D TLC	3D TLC
Warranty	3 years	3 years	3 years	3 years

2.5" (Enterprise)



Product	96FD25-ST3.8T-M53P	96FD25-ST7.6T-M53P
Product Description	Micron 5300PRO 2.5" 3.8T SATAIII 3D TLC SSD	Micron 5300PRO 2.5" 7.6TB SATAIII 3D TLC SSD
Manufacturer	Micron	Micron
Capacity	3.8 TB	7.6 TB
Form Factor	2.5"	2.5"
Interface	SATA III	SATA III
Sequential Read Performance	540 MB/s	540 MB/s
Sequential Write Performance	520 MB/s	520 MB/s
Dimensions (W x H x D)	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.
MTBF (hours)	3,000,000	3,000,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	3D TLC	3D TLC
Warranty	3 years	3 years

2.5" (Embedded)



Product	96FD25-ST256G-M13	96FD25-ST512G-M13	96FD25-ST1T-M13	96FD25-ST2T-M13
Product Description	Micron 1300 2.5" 256G SATAIII 3D TLC SSD	Micron 1300 2.5" 512G SATAIII 3D TLC SSD	Micron 1300 2.5" 1TB SATAIII 3D TLC SSD	Micron 1300 2.5" 2TB SATAIII 3D TLC SSD
Manufacturer	Micron	Micron	Micron	Micron
Capacity	256 GB	512 GB	1 TB	2 TB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	530 MB/s	530 MB/s	530 MB/s	530 MB/s
Sequential Write Performance	520 MB/s	520 MB/s	520 MB/s	520 MB/s
Dimensions (W x H x D)	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.
MTBF (hours)	1,500,000	1,500,000	1,500,000	1,500,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	3D TLC	3D TLC	3D TLC	3D TLC
Warranty	3 years	3 years	3 years	3 years

2.5" (Embedded)



Product	96FD25-S032-TR7	96FD25-S064-TR7	96FD25-S128-TR7	96FD25-S256-TR7
Product Description	Transcend 32GB 2.5" SATAIII MLC SSD	Transcend 64GB 2.5" SATAIII MLC SSD	Transcend 128GB 2.5" SATAIII MLC SSD	Transcend 256GB 2.5" SATAIII MLC SSD
Manufacturer	Transcend	Transcend	Transcend	Transcend
Capacity	32 GB	64 GB	128 GB	256 GB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	260 MB/s	520 MB/s	570 MB/s	570 MB/s
Sequential Write Performance	40 MB/s	90 MB/s	170 MB/s	470 MB/s
Dimensions (W x H x D)	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.
MTBF (hours)	1,500,000	1,500,000	1,500,000	1,500,000
Operating Temperature	-10 ~ 80°C (14 ~ 176°F)	-10 ~ 80°C (14 ~ 176°F)	-10 ~ 80°C (14 ~ 176°F)	-10 ~ 80°C (14 ~ 176°F)
NAND Type	MLC	MLC	MLC	MLC
Warranty	3 years	3 years	3 years	3 years

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Solid State Drive

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2.5" (Embedded)



Product	96FD25-S032-PLG1	96FD25-S064-PLG1	96FD25-S128-PLG2	96FD25-S256-PLG2
Product Description	LITE-ON 32GB 2.5" SATAIII MLC SSD	LITE-ON 64GB 2.5" SATAIII MLC SSD	LITE-ON 128GB 2.5" SATAIII MLC SSD	LITE-ON 256GB 2.5" SATAIII MLC SSD
Manufacturer	LITE-ON	LITE-ON	LITE-ON	LITE-ON
Capacity	32 GB	64 GB	128 GB	256 GB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	150 MB/s	300 MB/s	500 MB/s	500 MB/s
Sequential Write Performance	30 MB/s	80 MB/s	160 MB/s	300 MB/s
Dimensions (W x H x D)	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.
MTBF (hours)	1,500,000	1,500,000	2,500,000	2,500,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	-40 ~ 90°C (-40 ~ 194°F)	-40 ~ 90°C (-40 ~ 194°F)
NAND Type	MLC	MLC	MLC	MLC
Warranty	3 years	3 years	3 years	3 years

2.5" (Embedded)



Product	96FD25-S512-PLG2	96FD25-S1TB-PLG2
Product Description	LITE-ON 512GB 2.5" SATAIII MLC SSD	LITE-ON 1TB 2.5" SATAIII MLC SSD
Manufacturer	LITE-ON	LITE-ON
Capacity	512 GB	1 TB
Form Factor	2.5"	2.5"
Interface	SATA III	SATA III
Sequential Read Performance	500 MB/s	500 MB/s
Sequential Write Performance	400 MB/s	450 MB/s
Dimensions (W x H x D)	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.
MTBF (hours)	2,500,000	2,500,000
Operating Temperature	-40 ~ 90°C (-40 ~ 194°F)	-40 ~ 90°C (-40 ~ 194°F)
NAND Type	MLC	MLC
Warranty	3 years	3 years

2.5" (Embedded,
Wide Temp.)



Product	96FD25-S032-ITR4	96FD25-S064-ITR4	96FD25-S128-ITR4	96FD25-S256-ITR4
Product Description	Transcend Wide Temp 32GB 2.5" SATAIII MLC SSD	Transcend Wide Temp 64GB 2.5" SATAIII MLC SSD	Transcend Wide Temp 128GB 2.5" SATAIII MLC SSD	Transcend Wide Temp 256GB 2.5" SATAIII MLC SSD
Manufacturer	Transcend	Transcend	Transcend	Transcend
Capacity	32 GB	64 GB	128 GB	256 GB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	230 MB/s	450 MB/s	550 MB/s	560 MB/s
Sequential Write Performance	40 MB/s	80 MB/s	170 MB/s	320 MB/s
Dimensions (W x H x D)	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.
MTBF (hours)	1,500,000	1,500,000	1,500,000	1,500,000
Operating Temperature	-40 ~ 90°C (-40 ~ 194°F)	-40 ~ 90°C (-40 ~ 194°F)	-40 ~ 90°C (-40 ~ 194°F)	-40 ~ 90°C (-40 ~ 194°F)
NAND Type	MLC	MLC	MLC	MLC
Warranty	3 years	3 years	3 years	3 years

2.5" (Embedded,
Wide Temp.)



Product	96FD25-S512-ITR4	96FD25-S1TB-ITR4
Product Description	Transcend Wide Temp 512GB 2.5" SATAIII MLC SSD	Transcend Wide Temp 1TB 2.5" SATAIII MLC SSD
Manufacturer	Transcend	Transcend
Capacity	512 GB	1 TB
Form Factor	2.5"	2.5"
Interface	SATA III	SATA III
Sequential Read Performance	560 MB/s	560 MB/s
Sequential Write Performance	460 MB/s	460 MB/s
Dimensions (W x H x D)	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.
MTBF (hours)	1,500,000	1,500,000
Operating Temperature	-40 ~ 90°C (-40 ~ 194°F)	-40 ~ 90°C (-40 ~ 194°F)
NAND Type	MLC	MLC
Warranty	3 years	3 years

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Products

Solid State Drive

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mSATA



Product	96FD-M032-TR71	96FD-M064-TR71	96FD-M128-TR71	96FD-M256-TR71
Product Description	Transcend 32GB mSATA SATAIII MLC SSD	Transcend 64GB mSATA SATAIII MLC SSD	Transcend 128GB mSATA SATAIII MLC SSD	Transcend 256GB mSATA SATAIII MLC SSD
Manufacturer	Transcend	Transcend	Transcend	Transcend
Capacity	32 GB	64 GB	128 GB	256 GB
Form Factor	mSATA	mSATA	mSATA	mSATA
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	280 MB/s	560 MB/s	560 MB/s	570 MB/s
Sequential Write Performance	50 MB/s	100 MB/s	290 MB/s	400 MB/s
Dimensions (W x H x D)	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.
MTBF (hours)	1,500,000	1,500,000	1,500,000	1,500,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	MLC	MLC	MLC	MLC
Warranty	3 years	3 years	3 years	3 years

mSATA



Product	96FD-M512-TR71	96FD-M1TB-TR71
Product Description	Transcend 512GB mSATA SATAIII MLC SSD	Transcend 1TB mSATA SATAIII MLC SSD
Manufacturer	Transcend	Transcend
Capacity	512 GB	1 TB
Form Factor	mSATA	mSATA
Interface	SATA III	SATA III
Sequential Read Performance	570 MB/s	570 MB/s
Sequential Write Performance	460 MB/s	460 MB/s
Dimensions (W x H x D)	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.
MTBF (hours)	1,500,000	1,500,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	MLC	MLC
Warranty	3 years	3 years

M.2 2242 (SATA)



Product	96FD42-N032-LIS	96FD42-N064-LIS	96FD42-N128-LIS
Product Description	LITE-ON 32GB M.2 2242 SATAIII MLC SSD	LITE-ON 64GB M.2 2242 SATAIII MLC SSD	LITE-ON 128GB M.2 2242 SATAIII MLC SSD
Manufacturer	LITE-ON	LITE-ON	LITE-ON
Capacity	32 GB	64 GB	128 GB
Form Factor	M.2 2242	M.2 2242	M.2 2242
Interface	SATA III	SATA III	SATA III
Sequential Read Performance	260 MB/s	490 MB/s	520 MB/s
Sequential Write Performance	40 MB/s	80 MB/s	160 MB/s
Dimensions (W x H x D)	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.
MTBF (hours)	1,500,000	1,500,000	1,500,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	MLC	MLC	MLC
Warranty	3 years	3 years	3 years

M.2 2242 (SATA)



Product	96FD42-ST064-AD334	96FD42-ST128-AD334	96FD42-ST256-AD334	96FD42-ST512-AD334
Product Description	ADATA 64GB M.2 2242 SATAIII 3D TLC SSD	ADATA 128GB M.2 2242 SATAIII 3D TLC SSD	ADATA 256GB M.2 2242 SATAIII 3D TLC SSD	ADATA 512GB M.2 2242 SATAIII 3D TLC SSD
Manufacturer	ADATA	ADATA	ADATA	ADATA
Capacity	64GB	128GB	256GB	512GB
Form Factor	M.2 2242	M.2 2242	M.2 2242	M.2 2242
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	400 MB/s	560 MB/s	560 MB/s	560 MB/s
Sequential Write Performance	65 MB/s	350MB/s	500MB/s	520MB/s
Dimensions (W x H x D)	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.
MTBF (hours)	1,500,000	1,500,000	1,500,000	1,500,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	3D TLC	3D TLC	3D TLC	3D TLC
Warranty	3 years	3 years	3 years	3 years

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M.2 2280 (SATA)

Product	96FD80-NT128-LIS	96FD80-NT256-LIS	96FD80-NT512-LIS
Product Description	LITE-ON 128GB M.2 2280 SATAIII 3D TLC SSD	LITE-ON 256GB M.2 2280 SATAIII 3D TLC SSD	LITE-ON 512GB M.2 2280 SATAIII 3D TLC SSD
Manufacturer	LITE-ON	LITE-ON	LITE-ON
Capacity	128 GB	256 GB	512 GB
Form Factor	M.2 2280	M.2 2280	M.2 2280
Interface	SATA III	SATA III	SATA III
Sequential Read Performance	550 MB/s	550 MB/s	550 MB/s
Sequential Write Performance	380 MB/s	450 MB/s	450 MB/s
Dimensions (W x H x D)	80.0 x 22.0 x 2.3 mm	80.0 x 22.0 x 2.3 mm	80.0 x 22.0 x 2.3 mm
MTBF (hours)	2,000,000	2,000,000	2,000,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	3D TLC	3D TLC	3D TLC
Warranty	3 years	3 years	3 years



M.2 2280 (PCIe)

Product	96FD80-P256-LIS	96FD80-P512-LIS	96FD80-P1TB-LIS
Product Description	LITE-ON 256GB M.2 2280 PCIe Gen3x4 3D TLC SSD	LITE-ON 512GB M.2 2280 PCIe Gen3x4 3D TLC SSD	LITE-ON 1TB M.2 2280 PCIe Gen3x4 3D TLC SSD
Manufacturer	LITE-ON	LITE-ON	LITE-ON
Capacity	256 GB	512 GB	1 TB
Form Factor	M.2 2280	M.2 2280	M.2 2280
Interface	PCIe	PCIe	PCIe
Sequential Read Performance	2800 MB/s	3000 MB/s	3000 MB/s
Sequential Write Performance	800 MB/s	1600 MB/s	2000 MB/s
Dimensions (W x H x D)	22 x 2.3 x 80 mm / 0.866 x 0.09 x 3.149 in.	22 x 2.3 x 80 mm / 0.866 x 0.09 x 3.149 in.	22 x 2.3 x 80 mm / 0.866 x 0.09 x 3.149 in.
MTBF (hours)	1,500,000	1,500,000	1,500,000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	3D TLC	3D TLC	3D TLC
Warranty	3 years	3 years	3 years

Hard Drive

- Available in a broad range of capacities, cache sizes and form factors
- Latest technology with affordable prices
- Responsive, maximized performance
- Support for S.M.A.R.T. drive monitoring and reporting
- Massive capacity with the best C/P value
- Every driver extensively tested before product launch



General IPC HDD



Product	96ND500G-ST-SG5KG	96ND500G-ST-WD5KG	96ND500G-ST-WD7KG1	96ND1TB-ST-SG5KG1
Product Description	Seagate 2.5" 500G SATAIII 5KRPM 128MB HDD	WD 2.5" 500G SATAIII 5KRPM 16MB HDD	WD 2.5" 500GB SATAIII 7KRPM 64MB HDD	Seagate 2.5" 1TB SATAIII 5KRPM 128MB HDD
Manufacturer	Seagate	Western Digital	Western Digital	Seagate
Capacity	500 GB	500 GB	500 GB	1 TB
Size	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
24X7 Operation	No	No	No	No
Spindle Speed	5400 RPM	5400 RPM	7200 RPM	5400 RPM
Cache Size	128 MB	16 MB	64 MB	128 MB
Average Read Seek Time	4.16 ms	11 ms	12 ms	13 ms
Dimensions (W x H x D)	100.35 x 7 x 69.85 mm / 3.95 x 0.275 x 2.75 in.	100.2 x 7 x 69.85 mm / 3.945 x 0.275 x 2.75 in.	100.2 x 7 x 69.97 mm / 3.945 x 0.275 x 2.75 in.	100.35 x 7 x 69.85 mm / 3.951 x 0.276 x 2.75 in.
Operating Temperature	5 ~ 60°C (41 ~ 140°F)	0 ~ 60°C (32 ~ 140°F)	0 ~ 60°C (32 ~ 140°F)	0 ~ 60°C (32 ~ 140°F)
MTBF (hours)/ Load/Upload Cycles	2,000,000	600,000	600,000	600,000
Warranty	3 years	3 years	3 years	3 years

General IPC HDD



Product	96ND1TB-ST-WD7KG	96HD1000G-ST-WD7K2	96ND2TB-ST-SG5KG1	96HD2T-ST-SG7KG
Product Description	WD 2.5" 1TB SATAIII 7KRPM 64MB HDD	WD 3.5" 1TB SATAIII 7KRPM 64MB HDD	Seagate 2.5" 2TB SATAIII 5KRPM 128MB HDD	Seagate 3.5" 2TB SATAIII 7KRPM 64MB HDD
Manufacturer	Western Digital	Western Digital	Seagate	Seagate
Capacity	1 TB	1 TB	2 TB	2 TB
Size	2.5"	3.5"	2.5"	3.5"
Interface	SATA III	SATA III	SATA III	SATA III
24X7 Operation	No	No	No	No
Spindle Speed	7200 RPM	7200RPM	5400RPM	7200 RPM
Cache Size	64 MB	64 MB	128 MB	64 MB
Average Read Seek Time	12 ms	2 ms	13 ms	8.5 ms
Dimensions (W x H x D)	100.2 x 7 x 69.97 mm / 3.945 x 0.275 x 2.75 in.	101.6 x 25.4 x 147 mm / 4 x 1 x 5.787 in.	100.35 x 7 x 69.85 mm / 3.951 x 0.276 x 2.75 in.	101.6 x 25.4 x 147 mm / 4 x 1 x 5.787 in.
Operating Temperature	0 ~ 60°C (32 ~ 140°F)	0 ~ 60°C (32 ~ 140°F)	0 ~ 60°C (32 ~ 140°F)	0 ~ 60°C (32 ~ 140°F)
MTBF (hours)/ Load/Upload Cycles	600,000	300,000	600,000	300,000
Warranty	3 years	3 years	3 years	3 years

Video Storage HDD



Product	96HD500G-ST-SG5KA1	96HD1TB-ST-SG5KA	96HD1TB-ST-WD5KA1	96HD2TB-ST-SG5KA
Product Description	Seagate 3.5" 500GB SATAIII 5KRPM 64MB HDD	Seagate 3.5" 1TB SATAIII 5KRPM 64MB HDD	WD 3.5" 1TB SATAIII 5KRPM 64MB HDD	Seagate 3.5" 2TB SATAIII 5KRPM 64MB HDD
Manufacturer	Seagate	Seagate	Western Digital	Seagate
Capacity	500 GB	1 TB	1 TB	2 TB
Size	3.5"	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III	SATA III
24X7 Operation	Yes	Yes	Yes	Yes
Spindle Speed	5900 RPM	5900 RPM	5400 RPM	5900 RPM
Cache Size	64 MB	64 MB	64 MB	64 MB
Average Read Seek Time	12 ms	8.5 ms	2 ms	12 ms
Dimensions (W x H x D)	101.85 x 26.11 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.85 x 26.11 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.6 x 26.1 x 147 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.
Operating Temperature	0 ~ 60°C (32 ~ 140°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 65°C (32 ~ 149°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/ Load/Upload Cycles	1,000,000	1,000,000	1,000,000	1,000,000
Warranty	3 years	3 years	3 years	3 years

Video Storage HDD



Product	96HD2TB-ST-WD5KA1	96HD3TB-ST-WD5KA1	96HD4TB-ST-SG5KA1	96HD6TB-ST-WD5KA1
Product Description	WD 3.5" 2TB SATAIII 5KRPM 64MB HDD	WD 3.5" 3TB SATAIII 5KRPM 64MB HDD	Seagate 3.5" 4TB SATAIII 5KRPM 64MB HDD	WD 3.5" 6TB SATAIII 5KRPM 64MB HDD
Manufacturer	Western Digital	Western Digital	Seagate	Western Digital
Capacity	2 TB	3 TB	4 TB	6 TB
Size	3.5"	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III	SATA III
24X7 Operation	Yes	Yes	Yes	Yes
Spindle Speed	5900 RPM	5900 RPM	5900 RPM	5900 RPM
Cache Size	64 MB	64 MB	64 MB	64 MB
Average Read Seek Time	12 ms	2 ms	9.5 ms	29 ms
Dimensions (W x H x D)	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.1 x 147 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 60°C (41 ~ 140°F)	0 ~ 65°C (32 ~ 149°F)	5 ~ 60°C (41 ~ 140°F)	0 ~ 65°C (32 ~ 149°F)
MTBF (hours)/ Load/Upload Cycles	1,000,000	1,000,000	1,000,000	1,000,000
Warranty	3 years	3 years	3 years	3 years

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Products

Hard Drive

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Video Storage HDD



Product	96HD10TB-ST-SG5KA1	96HD12TB-ST-SG5KA1	96HD14TB-ST-SG5KA1	96HD16TB-ST-SG5KA1
Product Description	Seagate 3.5" 10TB SATAIII 7KRPM 256MB HDD	Seagate 3.5" 12TB SATAIII 7KRPM 256MB HDD	Seagate 3.5" 14TB SATAIII 7KRPM 256MB HDD	Seagate 3.5" 16TB SATAIII 7KRPM 256MB HDD
Manufacturer	Seagate	Seagate	Seagate	Seagate
Capacity	10 TB	12 TB	14 TB	16 TB
Size	3.5"	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III	SATA III
24X7 Operation	Yes	Yes	Yes	Yes
Spindle Speed	7200 RPM	7200 RPM	7200 RPM	7200 RPM
Cache Size	256 MB	256 MB	256 MB	256 MB
Average Read Seek Time	4.16 ms	4.16 ms	4.16 ms	4.16 ms
Dimensions (W x H x D)	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 70°C (41 ~ 158°F)	5 ~ 70°C (41 ~ 158°F)	5 ~ 70°C (41 ~ 158°F)	5 ~ 70°C (41 ~ 158°F)
MTBF (hours)/ Load/Upload Cycles	1,500,000	1,500,000	1,500,000	1,500,000
Warranty	3 years	3 years	3 years	3 years

Server Storage HDD



Product	96ND600G-SS-SG10E1	96ND1.2T-SS-SG10E1	96HD1TB-ST-SG7KE3	96HD2TB-ST-SG7KE3
Product Description	Seagate Enterprise 2.5" 600GB SAS 10KRPM 256MB HDD	Seagate Enterprise 2.5" 1.2TB SAS 10KRPM 256MB HDD	Seagate Enterprise 3.5" 1TB SATAIII 7KRPM 256MB HDD	Seagate Enterprise 3.5" 2TB SATAIII 7KRPM 256MB HDD
Manufacturer	Seagate	Seagate	Seagate	Seagate
Capacity	600 GB	1.2 TB	1 TB	2 TB
Size	2.5"	2.5"	3.5"	3.5"
Interface	SAS	SAS	SATA III	SATA III
24X7 Operation	Yes	No	Yes	Yes
Spindle Speed	10K RPM	10K RPM	7200 RPM	7200 RPM
Cache Size	256 MB	256 MB	256 MB	256 MB
Average Read Seek Time	2.9 ms	2.9 ms	4.16 ms	4.16 ms
Dimensions (W x H x D)	100.45 x 15 x 69.85 mm / 3.954 x 0.59 x 2.75 in.	100.45 x 15 x 69.85 mm / 3.955 x 0.591 x 2.75 in.	101.85 x 26.1 x 147 mm / 4.010 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm / 4.010 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/ Load/Upload Cycles	2,000,000	2,000,000	550TB/Year	550TB/Year
Warranty	5 years	5 years	5 years	5 years

Server Storage HDD



Product	96HD4TB-ST-SG7KE2	96HD6TB-ST-SG7KE2	96HD8TB-ST-SG7KE2
Product Description	Seagate Enterprise 3.5" 4TB 7KRPM SATAIII 256MB HDD	Seagate Enterprise 3.5" 6TB 7KRPM SATAIII 256MB HDD	Seagate Enterprise 3.5" 8TB 7KRPM SATAIII 256MB HDD
Manufacturer	Seagate	Seagate	Seagate
Capacity	4 TB	6 TB	8 TB
Size	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III
24X7 Operation	Yes	Yes	Yes
Spindle Speed	7200 RPM	7200 RPM	7200 RPM
Cache Size	256MB	256MB	256MB
Average Read Seek Time	3.2 ms	3.2 ms	3.2 ms
Dimensions (W x H x D)	101.85 x 26.1 x 147 mm 4.010 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm 4.010 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm 4.010 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/ Load/Upload Cycles	550TB/Year	550TB/Year	550TB/Year
Warranty	5 years	5 years	5 years

Server Storage HDD



Product	96HD10T-ST-TS7KE	96HD12T-ST-TS7KE	96HD14T-ST-TS7KE
Product Description	Toshiba 3.5" 10TB SATAIII 7KRPM 256MB HDD	Toshiba 3.5" 12TB SATAIII 7KRPM 256MB HDD	Toshiba 3.5" 14TB SATAIII 7KRPM 256MB HDD
Manufacturer	Toshiba	Toshiba	Toshiba
Capacity	10 TB	12 TB	14 TB
Size	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III
24X7 Operation	Yes	Yes	Yes
Spindle Speed	7200 RPM	7200 RPM	7200 RPM
Cache Size	256 MB	256 MB	256 MB
Average Read Seek Time	2 ms	2 ms	2 ms
Dimensions (W x H x D)	101.85 x 26.1 x 147 mm / 4.010 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm / 4.010 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm / 4.010 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 55°C (41 ~ 131°F)	5 ~ 55°C (41 ~ 131°F)	5 ~ 55°C (41 ~ 131°F)
MTBF (hours)/ Load/Upload Cycles	2,500,000	2,500,000	2,500,000
Warranty	5 years	5 years	5 years

Compact Flash (CF Card)

- Designed for industrial, medical, and military applications
- Comes in a variety of speeds, based on NAND technology
- No moving parts for high durability in rugged environments
- Best reliability with high mean time between failure (MTBF) rates
- Architecture supports fast-action photography or high-definition video
- Supports a non-moving model, making the CF bootable
- Features wear-leveling, write protection, and error correction



Products

CF Card

Commercial
Temperature (0 ~ 70°C)



Product	96FMCFI-1G-CT-AP5	96FMCFI-2G-CT-AP5	96FMCFI-4G-CT-AP5	96FMCFI-8G-CT-AP5
Product Description	Apacer 1G CF Card with SLC Flash	Apacer 2G CF Card with SLC Flash	Apacer 4G CF Card with SLC Flash	Apacer 8G CF Card with SLC Flash
Manufacturer	Apacer	Apacer	Apacer	Apacer
Capacity	1 GB	2 GB	4 GB	8 GB
Sequential Read Performance	29 MB/s	29 MB/s	29 MB/s	29 MB/s
Sequential Writing Rate	15 MB/s	15 MB/s	15 MB/s	15 MB/s
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type	SLC	SLC	SLC	SLC
DMA Mode	Ultra DMA	Ultra DMA	Ultra DMA	Ultra DMA
Disk Mode	Fixed Mode	Fixed Mode	Fixed Mode	Fixed Mode
Terabytes Written (TBW)	25.6 TBW	38.4 TBW	51.9 TBW	69.8 TBW

Extend Temperature
(-40 ~ 85°C)



Product	96FMCFI-2G-ET-AP4	96FMCFI-4G-ET-AP4	96FMCFI-8G-ET-AP4	96FMCFI-16G-ET-AP4
Product Description	Apacer 2G CF Card with SLC Flash Wide Temperature	Apacer 4G CF Card with SLC Flash Wide Temperature	Apacer 8G CF Card with SLC Flash Wide Temperature	Apacer 16G CF Card with SLC Flash Wide Temperature
Manufacturer	Apacer	Apacer	Apacer	Apacer
Capacity	2 GB	4 GB	8 GB	16 GB
Sequential Read Performance	29 MB/s	29 MB/s	29 MB/s	29 MB/s
Sequential Writing Rate	15 MB/s	15 MB/s	15 MB/s	15 MB/s
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)
NAND Type	SLC	SLC	SLC	SLC
DMA Mode	Ultra DMA	Ultra DMA	Ultra DMA	Ultra DMA
Disk Mode	Fixed Mode	Fixed Mode	Fixed Mode	Fixed Mode
Terabytes Written (TBW)	38.4 TBW	51.9 TBW	69.8 TBW	115 TBW

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DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

microSDHC



Product	96FMSD-8G-CM-AT	96FMSD-16G-CM-AT	96FMSD-32G-CM-AT
Product Description	ATP 8G microSDHC Card MLC	ATP 16G microSDHC Card MLC	ATP 32G microSDHC Card MLC
Manufacturer	ATP	ATP	ATP
Capacity	8 GB	16 GB	32 GB
Sequential Read Performance	18 MB/s	18 MB/s	20 MB/s
Sequential Writing Rate	9 MB/s	9 MB/s	14 MB/s
Operating Temperature	-25 ~ 85°C (-13 ~ 185°F)	-25 ~ 85°C (-13 ~ 185°F)	-25 ~ 85°C (-13 ~ 185°F)
NAND Type	MLC	MLC	MLC
Terabytes Written (TBW)	4.8	9.6	19.2

microSDHC Extend Temperature (-40 ~ 85°C)



Product	96FMSD-8G-EM-AT	96FMSD-16G-EM-AT	96FMSD-32G-EM-AT
Product Description	ATP 8G microSDHC Card MLC Wide Temperature	ATP 16G microSDHC Card MLC Wide Temperature	ATP 32G microSDHC Card MLC Wide Temperature
Manufacturer	ATP	ATP	ATP
Capacity	8 GB	16 GB	32 GB
Sequential Read Performance	18 MB/s	18 MB/s	20 MB/s
Sequential Writing Rate	9 MB/s	9 MB/s	14 MB/s
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)
NAND Type	MLC	MLC	MLC
Terabytes Written (TBW)	4.8	9.6	19.2

Power Supply

- Comprehensive selection of high-efficiency power supplies
- Power supplies are fully tested by Advantech with 3-year warranty
- Quality products provided from first tier manufacturers, with enhanced components for industrial applications (Japanese capacitors + dual ball bearing fan)
- High thermal resilience, which provides full load under 50°C (some external power supplies 40°C)
- Order friendly with flexible minimum order quantity modification



Products

Power Supply

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DIN-Rail
Power Supply



Product	PSD-A40W24	PSD-A60W24	PSD-A120W24	PSD-A120W48
Product Description	Advantech AC to DC 100-240V 40W 24V DIN-Rail Power Supply	Advantech AC to DC 100-240V 60W 24V DIN-Rail Power Supply	Advantech AC to DC 100-240V 120W 24V DIN-Rail Power Supply	Advantech AC to DC 100-240V 120W 48V DIN-Rail Power Supply
Form Factor	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Brand	Advantech	Advantech	Advantech	Advantech
Output Power	40W	60W	120W	120W
Input Type	AC to DC	AC to DC	AC to DC	AC to DC
Input Current	115V @ 1.0A max.	115V @ 1.4A max.	115V @ 1.4A max.	115V @ 1.4A max.
Input Voltage Range	85 - 264V _{AC}	85 - 264V _{AC}	85 - 264V _{AC}	85 - 264V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	89%	89%	90%	91%
Operating Temperature	-25 ~ 70°C (-13 ~ 158°F)	-25 ~ 70°C (-13 ~ 158°F)	-25 ~ 70°C (-13 ~ 158°F)	-25 ~ 70°C (-13 ~ 158°F)
Power Derating	Full load to 60°C, derate 2.5% per °C	Full load to 60°C, derate 2.5% per °C	Full load to 60°C, derate 2.5% per °C	Full load to 60°C, derate 3.5% per °C
Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)
Storage Humidity	95% RH	95% RH	95% RH	95% RH
Output Rating	24V / 1.67A	24V / 2.5A	24V / 5A	48V / 2.5A
MTBF (hours)	> 500,000	> 500,000	> 500,000	> 500,000
Dimensions (W x H x D)	32 x 90.2 x 100 mm / 1.26 x 3.54 x 3.94 in.	32 x 90.2 x 100 mm / 1.26 x 3.54 x 3.94 in.	40 x 110 x 120 mm / 1.57 x 4.33 x 4.72 in.	40 x 110 x 120 mm / 1.57 x 4.33 x 4.72 in.
Safety	CB / UL / FCC / CE / TUV / CCC	CB / UL / FCC / CE / TUV / CCC	CB / UL / FCC / CE	CB / UL / FCC / CE
Main Connector	Screw Terminal	Screw Terminal	Screw Terminal	Screw Terminal
PFC Function	Yes	Yes	Yes	Yes
Cooling Function	Conventional	Conventional	Conventional	Conventional
LED	Green, DC ok	Green, DC ok	Green, DC ok	Green, DC ok
Mounting Rail	TS35	TS35	TS35	TS35
Features	• Low ripple & noise • OVP / OCP / OTP • Compact size • Support 110Vdc application • Support 150% load for 3 sec. • High MTBF and lifetime	• Low ripple & noise • OVP / OCP / OTP • Compact size • Support 110Vdc application • Support 150% load for 3 sec. • High MTBF and lifetime	• Low ripple & noise • OVP / OCP / OTP • Compact size • Support 110Vdc application • Support 150% load for 3 sec. • High MTBF and lifetime	• Low ripple & noise • OVP / OCP / OTP • Compact size • Support 110Vdc application • Support 150% load for 3 sec. • High MTBF and lifetime

PS2 Power Supply



Product	PS8-250ATX-ZE	PS8-300ATX-ZBE	PS8-500ATX-BB	PS8-700ATX-BB
Product Description	250W PS2 Power Supply	300W PS2 Power Supply	500W PS2 Power Supply	700W PS2 Power Supply
Manufacturer	FSP	Delta	FSP	FSP
Form Factor	PS2	PS2	PS2	PS2
Output Power	250W	300W	500W	700W
Input Type	AC to DC	AC to DC	AC to DC	AC to DC
Input Current	115V @ 6A max.	100V @ 8A max.	115V @ 8A max.	115V @ 10A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	80%	82%	82%	82%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)	-40 ~ 80°C (-40 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)
Storage Humidity	95% RH	90% RH	5~90% RH	95% RH
Output Rating	+3.3V @ 20A +5V @ 21A +12V1 @ 16A +12V2 @ 16A -12V @ 0.3A -5V @ 0.3A +5Vsb @ 2.5A	+3.3V @ 16A +5V @ 19A +12V1 @ 11A +12V2 @ 11.5A -12V @ 0.3A -5V @ 0.3A +5Vsb @ 2A	+3.3V @ 19A +5V @ 16A +12V1 @ 17A +12V2 @ 17A -12V @ 0.3A -5V @ 0.3A +5Vsb @ 2.5A	+3.3V @ 24A +5V @ 30A +12V1 @ 16A +12V2 @ 16A +12V3 @ 16A +12V4 @ 16A -12V @ 0.5A -5V @ 0.5A +5Vsb @ 4A
MTBF (hours)	100,000	100,000	100,000	100,000
Dimensions (W x H x D)	150 x 86 x 140 mm / 5.9 x 3.3 x 5.5 in.	150 x 86 x 140 mm / 5.9 x 3.3 x 5.5 in.	150 x 86 x 140 mm / 5.9 x 3.3 x 5.5 in.	150 x 86 x 140 mm / 5.9 x 3.3 x 5.5 in.
Safety	CB / UL / FCC / CE / TUV / CCC / KC	CB / UL / FCC / CE / CCC / BSMI / KC	CB / UL / FCC / CE / TUV / CCC / KC	CB / UL / FCC / CE / TUV / CCC / KC
80 Plus Certified	80 Plus	80 Plus Bronze	80 Plus Bronze	80 Plus Bronze
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	Yes	Yes	Yes	Yes
Fan Function	Yes	Yes	Yes	Yes
Power Switch Function	Yes	No	Yes	Yes
EMC	Class B	Class B	Class B	Class B
Features	• Low ripple & noise • Over Voltage protection • Over Current protection • Short Circuit protection	• Low ripple & noise • Over Voltage protection • Over Current protection • Short Circuit protection	• Low ripple & noise • Over Voltage protection • Over Current protection • Short Circuit protection	• Low ripple & noise • Over Voltage protection • Over Temperature protection • Short Circuit protection

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

DC / DC Power Supply



Product	96PSR-D500WMIN	96PS-D500WPS2
Product Description	500W (DC) Mini Redundant Power Supply	500W (DC) PS2 Power Supply
Manufacturer	FSP	FSP
Form Factor	Mini Redundant	PS2
Output Power	500W	500W
Input Type	DC to DC	DC to DC
Input Current	110V _{dc} @ 7A max. 220V _{dc} @ 3.5A max.	110V _{dc} @ 7A max. 220V _{dc} @ 3.5A max.
Input Voltage Range	110 - 220V _{dc}	110 - 220V _{dc}
Input Frequency	N/A	N/A
Efficiency	84%	85%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)
Storage Humidity	90% RH	95% RH
Output Rating	+3.3V @ 20A +5V @ 20A +12V1 @ 16A +12V2 @ 16A +12V3 @ 16A -12V @ 0.5A -5V @ 0.3A +5Vsb @ 3A	+3.3V @ 20A +5V @ 20A +12V1 @ 16A +12V2 @ 16A +12V3 @ 16A -12V @ 0.5A -5V @ 0.3A +5Vsb @ 2A
MTBF (hours)	100,000	100,000
Dimensions (W x H x D)	190 x 84 x 150 mm / 7.5 x 3.3 x 5.9 in.	150 x 86 x 140 mm / 5.9 x 3.3 x 5.5 in.
Safety	CE	CB / CE
80 Plus Certified	N/A	80 Plus Bronze
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	No	No
Fan Function	Yes	Yes
Power Switch Function	Yes	No
EMC	Class B	Class B
Features	• Low ripple & noise • Over Voltage Protection • Over Current Protection • Over Temperature protection • Short Circuit Protection	• Low Ripple & Noise • Over Voltage Protection • Over Current Protection • Short Circuit Protection • Cable Management

Flex ATX Power Supply



Product	PS8-250FATX-BB	PS8-350FATX-GB	PS8-500FATX-GB
Product Description	250W Flex ATX	350W Flex ATX	500W Flex ATX
Manufacturer	Delta	FSP	FSP
Form Factor	FLEX	FLEX	FLEX
Output Power	250W	350W	500W
Input Type	AC to DC	AC to DC	AC to DC
Input Current	115V @ 3.5A max.	115V @ 6A max.	115V @ 8A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	82%	87%	87%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
Storage Temperature	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 80°C (-40 ~ 176°F)	-40 ~ 80°C (-40 ~ 176°F)
Storage Humidity	95% RH	95% RH	95% RH
Output Rating	+3.3V @ 13A +5V @ 15A +12V1 @ 17A +12V2 @ 1 A -12V @ 0.3A +5Vsb @ 2.5A	+3.3V @ 14A +5V @ 16A +12V @ 41A -12V @ 0.3A +5Vsb @ 3A	+3.3V @ 14A +5V @ 16A +12V @ 41A -12V @ 0.3A +5Vsb @ 3A
MTBF (hours)	100,000	100,000	100,000
Dimensions (W x H x D)	40.5 x 150 x 81.5 mm / 1.6 x 5.9 x 3.2 in.	40.5 x 150 x 81.5 mm / 1.6 x 5.9 x 3.2 in.	40.5 x 190 x 81.5 mm / 1.6 x 7.4 x 3.2 in.
Safety	CB / UL / FCC / CE / TUV / CCC / KC / BSMI	CB / UL / FCC / CE / TUV / CCC / KC	CB / UL / FCC / CE / TUV / CCC / KC
80 Plus Certified	80 Plus Bronze	80 Plus Gold	80 Plus Gold
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	Yes	Yes	Yes
Fan Function	Yes	Yes	Yes
Power Switch Function	No	No	No
EMC	Class B	Class B	Class B
Features	• Low ripple & noise • Over Voltage Protection • Over Temperature Protection • Over Current Protection • Short Circuit Protection	• Low ripple & noise • Over Voltage protection • Over Power Protection • Short Circuit protection	• Low ripple & noise • Over Voltage protection • Over Power Protection • Short Circuit protection

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Redundant
Power Supply



Product	RPS8-500U2-XE	RPS8-500ATX-GB	RPS8-750ATX-XE
Product Description	500W 2U Narrow Redundant	500W Mini Redundant	750W Mini Redundant
Manufacturer	FSP	FSP	FSP
Form Factor	2U Redundant	Mini Redundant	Mini Redundant
Output Power	500W	500W	750W
Input Type	AC to DC	AC to DC	AC to DC
Input Current	115V @ 8A max.	115V @ 6A max.	115V @ 10A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	85%	88%	88%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)	-40 ~ 75°C (-40 ~ 158°F)
Storage Humidity	5 - 90% RH	5 - 90% RH	95% RH
Output Rating	+3.3V @ 20A +5V @ 25A +12V @ 40.2A -12V @ 0.5A +5Vsb @ 3.52A	+3.3V @ 20A +5V @ 20A +12V @ 40A -5V @ 0.3A -12V @ 0.5A +5Vsb @ 3A	+3.3V @ 24A +5V @ 30A +12V @ 60.9A -12V @ 0.5A +5Vsb @ 4A
MTBF (hours)	100,000	100,000	100,000
Dimensions (W x H x D)	84 x 85 x 217 mm / 3.3 x 3.3 x 8.5 in.	150 x 84 x 190 mm / 5.9 x 3.3 x 7.5 in.	150 x 84 x 200 mm / 5.9 x 3.3 x 7.8 in.
Safety	CB / UL / FCC / CE / TUV / CCC / KC / KC EMC	CB / UL / FCC / CE / TUV / CCC / KC	CB / UL / FCC / CE / TUV / CCC / BSMI
80 Plus Certified	80 Plus Gold	80 Plus Gold	80 Plus Gold
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	Yes	Yes	Yes
Fan Function	Yes	Yes	Yes
Power Switch Function	Yes	Yes	No
EMC	Class B	Class B	Class B
Features	• Balance Load Sharing Design • Hot-Swappable • Over Voltage Protection • Over Power Protection • Short Circuit Protection • Over Temperature Protection • PMBus 1.2 Compatible	• Balance Load Sharing Design • Hot-Swappable • Over Voltage Protection • Over Current Protection • Short Circuit Protection • Over Temperature Protection • PMBus 1.2 Compatible	• Balance Load Sharing Design • Hot-Swappable • Over Voltage Protection • Over Power Protection • Short Circuit Protection • Over Temperature Protection • PMBus 1.2 Compatible

Adapter



Product	96PSA-A36W12R1-3 96PSA-A36W12W7-5	96PSA-A60W12V1-4 96PSA-A60W12R1-3	96PSA-A84W12V1-3	96PSA-A150W19P4-3
Product Description	36W 12V C6	60W 12V C14	84W 12V C14	150W 19V C14
Manufacturer	Delta	Delta	FSP	FSP
Output Power	36W	60W	84W	150W
Output Connector	96PSA-A36W12R1-3: DC PLUG 90° 96PSA-A36W12W7-5: Lockable DC Plug 180°	96PSA-A60W12V1-4: DC Plug 180° 96PSA-A60W12R1-3: DC Plug 90°	DC Plug 180°	Terminal Block 4 Pin
Input Type	AC to DC	AC to DC	AC to DC	AC to DC
Input Current	100V @ 1A max.	90V @ 1.7A max.	115V @ 1.3A max.	100V @ 2A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	84% min.	88% min.	89% min.	87% min.
Max Temperature	60°C @ 90%	60°C @ 90%	70°C @ 50%	70°C @ 70%
Operating Temperature	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)
Storage Temperature	-30 ~ 80°C (-22 ~ 176°F)	-20 ~ 85°C (-4 ~ 185°F)	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)
Storage Humidity	5 - 95% RH	5 - 95% RH	10 - 90% RH	10 - 90% RH
Output Rating	12V _{DC} @ 3A	12V _{DC} @ 5A	12V _{DC} @ 7A	19V _{DC} @ 7A
MTBF (hours)	100,000	100,000	100,000	100,000
Cable Length (mm)	1,500	1,500 & 1,200	1,500	1,500
Dimensions (W x H x D)	37 x 26.5 x 89.5 mm / 1.5 x 1.0 x 3.5 in.	52.5 x 32.5 x 120 mm / 2.1 x 1.3 x 4.7 in.	58 x 32.3 x 160 mm / 2.2 x 1.2 x 6.2 in.	75.6 x 25.4 x 151.3 mm / 3.0 x 1.0 x 6.0 in.
Safety	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / PSB / BSMI / BIS / IRAM / Efficiency Level VI	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / PSB / BSMI / BIS / IRAM / Efficiency Level VI	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / BSMI / Efficiency Level VI	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / EAC / Efficiency Level VI
PFC Function	No	No	Yes	Yes
EMC	Class B	Class B	Class B	Class B
Features	• Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • No load power consumption ≤ 0.1W • High reliability • Available for working at high altitude (5,000M)	• Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • No load power consumption ≤ 0.15W • High reliability • Available for working at high altitude (5,000M)	• Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • No load power consumption ≤ 0.15W • High reliability • Available for working at high altitude (5,000M)	• Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • No load power consumption ≤ 0.21W • High reliability • Available for working at high altitude (5,000M)

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Adapter



Product	PSA-A45WM-U	PSA-A45WM-E
Product Description	PD Adapter 45W US Type Plug	PD Adapter 45W UK Type Plug
Manufacturer	Advantech	Advantech
Output Power	45W	45W
Output Connector	USB Type C	USB Type C
Input Type	AC to DC	AC to DC
Input Current	90V @ 1.2A max.	90V @ 1.2A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz
Efficiency	87%	87%
Max Temperature	40°C @ 100%	40°C @ 100%
Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
Storage Temp	-30 ~ 60°C (-22 ~ 140°F)	-30 ~ 60°C (-22 ~ 140°F)
Storage Humidity	8 - 80% RH	8 - 80% RH
Output Rating	+5V @ 3A +9V @ 3A +12V @ 3A +15V @ 3A +20V @ 2.25A	+5V @ 3A +9V @ 3A +12V @ 3A +15V @ 3A +20V @ 2.25A
MTBF (hours)	300,000	300,000
Cable Length (mm)	N/A	N/A
Dimensions (W x H x D)	40.5 x 53.5 x 28.0 mm / 15.9 x 21.0 x 11.0 in.	40.5 x 60.5 x 28.0 mm / 15.9 x 23.8 x 11.0 in.
Safety	CB / UL / FCC / BSMI / Efficiency Level VI	CB / CE / PSB / Efficiency Level VI
PFC Function	No	No
EMC	Class B	Class B
Features	• Power Delivery (PD) • Automatically detects 5/9/12/15/20V DC output voltage • Universal USB Type C output interface • Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • OVP/OCP/SCP/OTP protection	• Power Delivery (PD) • Automatically detects 5/9/12/15/20V DC output voltage • Universal USB Type C output interface • Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • OVP/OCP/SCP/OTP protection

Medical Application



Product	96PS-A500WPS2G-M1	96PS-A500W1UG-M	96PS0-A400W19-M
Product Description	Medical 500W PS2 Power Supply	Medical 500W 1U Power Supply	Medical 400W 19V Open Frame Power Supply
Manufacturer	FSP	FSP	Delta
Output Power	500W	500W	400W
Form Factor	PS2	1U	Open Frame
Input Type	AC to DC	AC to DC	AC to DC
Input Current	115V @ 8A max.	115V @ 8A max.	90V @ 5.5A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	90% min.	90% min.	88% min.
Max Temperature	50°C @ 100%	50°C @ 100%	70°C @ 62.5%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
Storage Temperature	-40 ~ 80°C (-40 ~ 176°F)	-40 ~ 80°C (-40 ~ 176°F)	-40 ~ 85°C (-40 ~ 185°F)
Storage Humidity	5 - 95% RH	5 - 95% RH	10 - 90% RH
Output Rating	+3.3V @ 24A +5V @ 20A +12V1 @ 16A +12V2 @ 16A +12V3 @ 16A -12V @ 0.5A -5V @ 0.3A +5Vsb @ 3A	+3.3V @ 20A +5V @ 20A +12V1 @ 16A +12V2 @ 16A +12V3 @ 16A -12V @ 0.5A -5V @ 0.2A +5Vsb @ 3A	19V _{DC} @ 20A
MTBF (hours)	200,000	200,000	200,000
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)	Terminal Block
Dimensions (W x H x D)	150 x 86 x 140 mm / 5.9 x 3.3 x 5.5 in.	100 x 40.5 x 220 mm / 3.9 x 1.6 x 8.6 in.	97 x 41.5 x 198 mm / 3.8 x 1.6 x 7.7 in.
Safety	CB IEC 60601-1 / cUL ANSI / CE / TUV EN 60601-1 / AAMI ES 60601-1	CB IEC 60601-1 / cUL ANSI / CE / TUV EN 60601-1 / AAMI ES 60601-1	CB IEC60601-1 / UL 60601-1 / CUL / TUV / TUV EN60601-1
PFC Function	Yes	Yes	No
Fan Function	Yes	Yes	No
EMC	Class B	Class B	Class B
Power Switch Function	Yes	Yes	No
Features	- Compliant with IEC 60601-1-2 4th edition - High reliability - High efficiency 80 plus gold level - Japanese capacitors	- Compliant with IEC 60601-1-2 4th edition - High reliability - High efficiency 80 plus gold level - Japanese capacitors	- Compliant with IEC 60601-1 3rd Edition - High reliability - Japanese capacitors

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

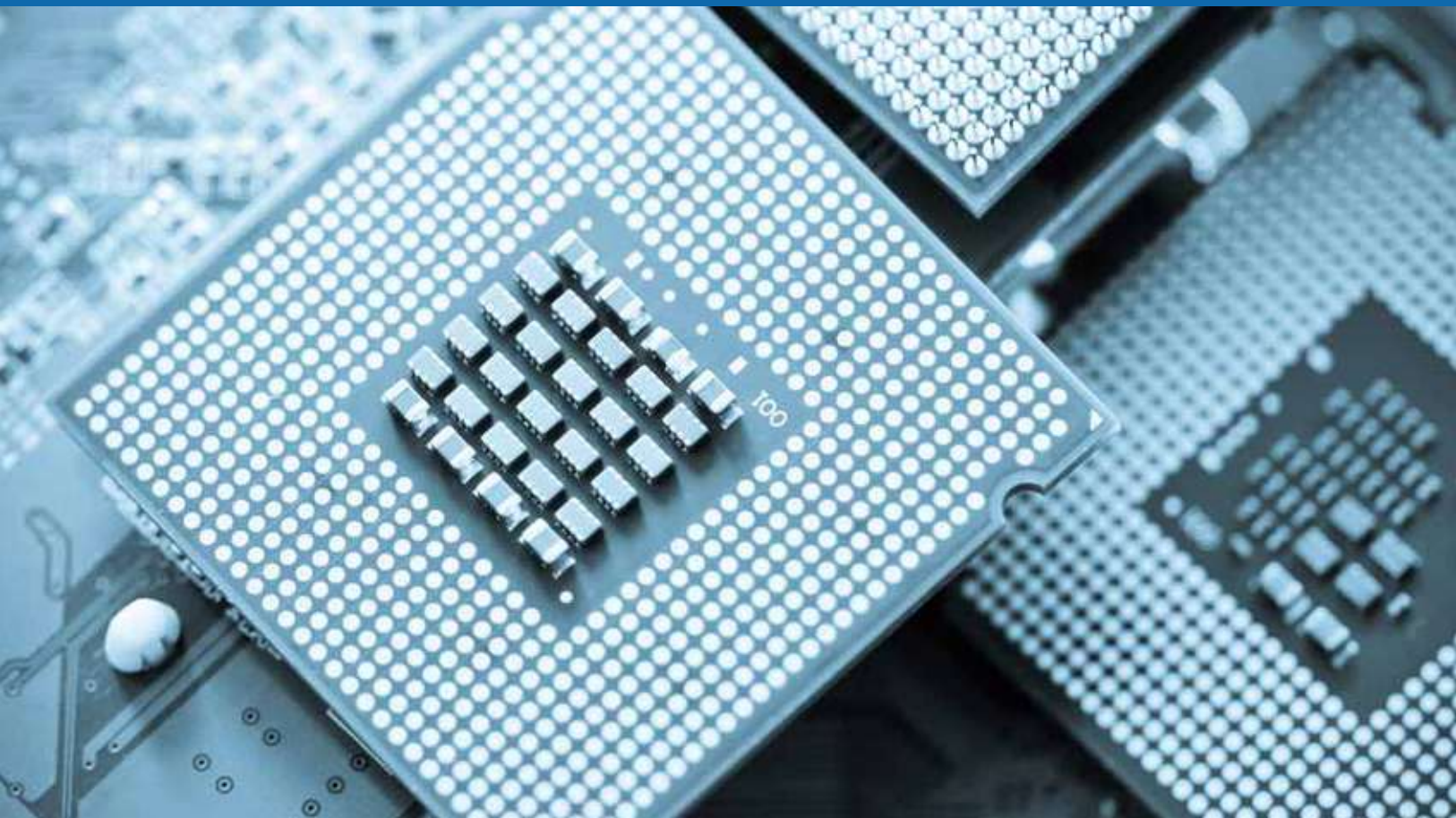
Optical Drive

Keyboard &
Mouse

Software

Central Processor Unit (CPU)

- Wide selection of Intel® processors
- Great Intel® performance for the most demanding tasks
- Advanced technology keeps products competitive and innovative
- Enterprise-ready with enhanced security
- Highest quality hardware and chipset support on the market
- Best value for short- and long-term investment



Products

CPU

Ivy Bridge



Product	96MPI7-3.4-8M11T1	96MPI5-3.0-6M11T	96MPI3M-2.4-3M9T	96MPCM-2.2-2M9T
Product Description	Intel Core i7-3770 3.4G 8M Processor	Intel Core i5-3550S 3.0G 6M Processor	Intel Core i3-3120ME 2.4G 3M Processor	Intel Celeron 1020E 2.2G 2M Processor
Market	Desktop	Desktop	Embedded	Mobile
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i7-3770	Core i5-3550S	Core i3-3120ME	Celeron 1020E
Code Name	Ivy Bridge	Ivy Bridge	Ivy Bridge	Ivy Bridge
Socket Type	LGA1155	LGA1155	PGA988	PGA988
Processor Base Frequency	3.4 GHz	3.0 GHz	2.4 GHz	2.2 GHz
Bus Speed	5 GT/s	5 GT/s	5 GT/s	5 GT/s
Smart Cache	8 MB	6 MB	3 MB	-
Cache Memory	8 MB	6 MB	3 MB	2 MB
Processor Graphics	Intel HD Graphics 4000	Intel HD Graphics 2500	Intel HD Graphics 4000	Intel HD Graphics
Manufacturing Technology	22 nm	22 nm	32 nm	22 nm
sSpec	SR0PK	SR0P3	SR0WM	SR10D
Thermal Design Power (TDP)	77 W	65 W	35 W	35 W
# of Cores	4	4	2	2
64-bit Support	Yes	Yes	Yes	Yes
Embedded	Yes	Yes	Yes	Yes
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

Haswell



Product	96MPXE-2.4-15M20T	96MPXE-3.5-8M10T	96MPI7-3.2-8M10T	96MPI7-3.1-8M10T
Product Description	Intel Xeon E5-2620 v3 2.4G 15M Processor	Intel Xeon E3-1275 v3 3.5G 8M Processor	Intel Core i7-4790S 3.2G 8M Processor	Intel Core i7-4770S 3.1G 8M Processor
Market	Server	Server	Desktop	Desktop
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Xeon E5-2620 v3	Xeon E3-1275 v3	Core i7-4790S	Core i7-4770S
Code Name	Haswell	Haswell	Haswell	Haswell
Socket Type	LGA2011-3	LGA1150	LGA1150	LGA1150
Processor Base Frequency	2.4 GHz	3.5 GHz	3.2 GHz	3.1 GHz
Bus Speed	8 GT/s	5 GT/s	5 GT/s	5 GT/s
Smart Cache	15 MB	-	8 MB	8 MB
Cache Memory	15 MB	8 MB	8 MB	8 MB
Processor Graphics	N/A	Intel HD Graphics P4600	Intel HD Graphics 4600	Intel HD Graphics 4600
Manufacturing Technology	22 nm	22 nm	22 nm	22 nm
sSpec	SR207	SR14S	SR1QM	SR14H
Thermal Design Power (TDP)	85 W	84 W	65 W	65 W
# of Cores	6	4	4	4
64-bit Support	Yes	Yes	Yes	Yes
Embedded	Yes	Yes	Yes	Yes
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

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DRAM
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Module

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CPU

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Controller

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Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

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Products

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Haswell



Product	96MPI5-3.0-6M10T	96MPI5-2.9-6M10T	96MPI3-3.5-4M10T	96MPCL-2.7-2M10T
Product Description	Intel Core i5-4590S 2.0G 6M Processor	Intel Core i5-4570S 2.9G 6M Processor	Intel Core i3-4330 3.5G 4M Processor	Intel Celeron G1820 2.7G 2M Processor
Market	Desktop	Desktop	Embedded	Desktop
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i5-4590S	Core i5-4570S	Core i3-4330	Celeron G1820
Code Name	Haswell	Haswell	Haswell	Haswell
Socket Type	LGA1150	LGA1150	LGA1150	LGA1150
Processor Base Frequency	3.0 GHz	2.9 GHz	3.5 GHz	2.7 GHz
Bus Speed	5 GT/s	5 GT/s	5 GT/s	5 GT/s
Smart Cache	6 MB	6 MB	4 MB	-
Cache Memory	6 MB	6 MB	4 MB	2 MB
Processor Graphics	Intel HD Graphics 4600	Intel HD Graphics 4600	Intel HD Graphics 4600	Intel HD Graphics
Manufacturing Technology	22 nm	22 nm	22 nm	22 nm
sSpec	SR1QN	SR14J	SR1NM	SR1CN
Thermal Design Power (TDP)	65 W	65 W	54 W	53 W
# of Cores	4	4	2	2
64-bit Support	Yes	Yes	Yes	Yes
Embedded	Yes	Yes	Yes	Yes
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

Skylake



Product	96MPI7S-3.4-8M11T	96MPI5S-3.2-6M11T	96MPI5S-2.3-6M11T1	96MPI3S-3.7-3M11T
Product Description	Intel Core i7-6700 3.4G 8M Processor	Intel Core i5-6500 3.2G 6M Processor	Intel Core i5-6500TE 2.3G 6M Processor	Intel Core i3-6100 3.7G 3M Processor
Market	Desktop	Desktop	Embedded	Mobile
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i7-6700	Core i5-6500	Core i5-6500TE	Core i3-6100
Code Name	Skylake	Skylake	Skylake	Skylake
Socket Type	LGA1151	LGA1151	LGA1151	LGA1151
Processor Base Frequency	3.4 GHz	3.2 GHz	2.3 GHz	3.7 GHz
Bus Speed	8 GT/s	8 GT/s	8 GT/s	8 GT/s
Smart Cache	8 MB	6 MB	6 MB	3 MB
Cache Memory	8 MB	6 MB	6 MB	3 MB
Processor Graphics	Intel HD Graphics 530	Intel HD Graphics 530	Intel HD Graphic 530	Intel HD Graphics 530
Manufacturing Technology	14 nm	14 nm	14 nm	14 nm
sSpec	SR2L2	SR2L6	SR2LR	SR2HG
Thermal Design Power (TDP)	65 W	65 W	35 W	51 W
# of Cores	4	4	4	2
64-bit Support	Yes	Yes	Yes	Yes
Embedded	Yes	Yes	Yes	Yes
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

Skylake-SP



Product	96MPXE-2.1-16M36	96MPXE-2.1-11M36	96MPXE-1.7-11M36
Product Description	Intel Xeon Silver 4116 2.1G 16.5M Processor	Intel Xeon Silver 4110 2.1G 11M Processor	Intel Xeon Bronze 3106 1.7G 11M Processor
Market	Server	Server	Server
Manufacturer	Intel	Intel	Intel
Processor Number	Xeon Silver 4116	Xeon Silver 4110	Xeon Bronze 3106
Code Name	Skylake-SP	Skylake-SP	Skylake-SP
Socket Type	FCLGA3647	FCLGA3647	FCLGA3647
Processor Base Frequency	2.1 GHz	2.1 GHz	1.7 GHz
Bus Speed	9.6 GT/s	9.6 GT/s	9.6 GT/s
Smart Cache	-	-	-
Cache Memory	16.5 MB	11 MB	11 MB
Processor Graphics	N/A	N/A	N/A
Manufacturing Technology	14 nm	14 nm	14 nm
sSpec	SR3HQ	SR3GH	SR3GL
Thermal Design Power (TDP)	85 W	85 W	85 W
# of Cores	12	8	8
64-bit Support	Yes	Yes	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

Broadwell-EP



Product	96MPXEB-2.1-45M20T	96MPXEB-2.4-35M20T	96MPXEB-2.1-20M20T
Product Description	Intel Xeon E5-2695 v4 2.1G 45M Processor	Intel Xeon E5-2680 v4 2.4G 35M Processor	Intel Xeon E5-2620 v4 2.1G 20M Processor
Market	Server	Server	Server
Manufacturer	Intel	Intel	Intel
Processor Number	Xeon E5-2695 v4	Xeon E5-2680 v4	Xeon E5-2620 v4
Code Name	Broadwell-EP	Broadwell-EP	Broadwell-EP
Socket Type	LGA14A	LGA2011-3	LGA2011-3
Processor Base Frequency	2.1 GHz	2.4 GHz	2.1 GHz
Bus Speed	9.6 GT/s	9.6 GT/s	8 GT/s
Smart Cache	45 MB	35 MB	20 MB
Cache Memory	45 MB	35 MB	20 MB
Processor Graphics	N/A	N/A	N/A
Manufacturing Technology	14 nm	14 nm	14 nm
sSpec	SR2J1	SR2N7	SR2R6
Thermal Design Power (TDP)	120 W	120 W	85 W
# of Cores	18	14	8
64-bit Support	Yes	Yes	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

DRAM
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Module

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Thermal Printer

Optical Drive

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Products

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Kaby Lake



Product	96MPXEK-3.8-8M11T	96MPI7K-3.6-8M11T	96MPI5K-3.4-6M11T
Product Description	Intel Xeon E3-1275 v6 3.8G 8M Processor	Intel Core i7-7700 3.6G 8M Processor	Intel Core i5-7500 3.4G 6M Processor
Market	Server	Desktop	Desktop
Manufacturer	Intel	Intel	Intel
Processor Number	Xeon E3-1275 v6	Core i7-7700	Core i5-7500
Code Name	Kaby Lake	Kaby Lake	Kaby Lake
Socket Type	LGA1151	LGA1151	LGA1151
Processor Base Frequency	3.8 GHz	3.6 GHz	3.4 GHz
Bus Speed	2400 MHz	8 GT/s	8 GT/s
Smart Cache	-	8 MB	6 MB
Cache Memory	8 MB	8 MB	6 MB
Processor Graphics	N/A	Intel® HD Graphics 630	Intel® HD Graphics 630
Manufacturing Technology	14 nm	14 nm	14 nm
sSpec	SR32A	SR338	SR335
Thermal Design Power (TDP)	73 W	65 W	65 W
# of Cores	4	4	4
64-bit Support	Yes	Yes	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

Coffee Lake



Product	96MPI7C-3.2-12M11T	96MPI5C-3.0-9M11T	96MPI3C-3.6-6M11T
Product Description	Intel Core i7-8700 3.2G 12M Processor	Intel Core i5-8500 3G 9M Processor	Intel Core i3-8100 3.6G 6M Processor
Market	Desktop	Desktop	Desktop
Manufacturer	Intel	Intel	Intel
Processor Number	Core i7-8700	Core i5-8500	Core i3-8100
Code Name	Coffee Lake	Coffee Lake	Coffee Lake
Socket Type	LGA1151	LGA1151	LGA1151
Processor Base Frequency	3.2 GHz	3.0 GHz	3.6 GHz
Bus Speed	8 GT/s	8 GT/s	8 GT/s
Smart Cache	-	9 MB	-
Cache Memory	12 MB	9 MB	6 MB
Processor Graphics	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 610
Manufacturing Technology	14 nm	14 nm	14 nm
sSpec	SR3QS	SR3XE	SR3N5
Thermal Design Power (TDP)	65 W	65 W	65 W
# of Cores	6	6	4
64-bit Support	Yes	Yes	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

Coffee Lake Refresh-S



Product	96MPXECR-3.3-16M11	96MPI7CR-2.6-12M11	96MPI5CR-3.0-9M11T	96MPI3CR-3.1-6M11T
Product Description	Intel Xeon E-2278GE 3.3G 16M Processor	Intel Core i7-9700E 2.6G 12M Processor	Intel Core i5-9500E 3G 9M Processor	Intel Core i3-9100E 3.1G 6M Processor
Market	Embedded	Embedded	Embedded	Embedded
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Xeon E-2278GE	Core i7-9700E	Core i5-9500E	Core i3-9100E
Code Name	Coffee Lake Refresh-S	Coffee Lake Refresh-S	Coffee Lake Refresh-S	Coffee Lake Refresh-S
Socket Type	LGA1151	LGA1151	LGA1151	LGA1151
Processor Base Frequency	2 GHz	2.6 GHz	3.0 GHz	3.1 GHz
Bus Speed	8 GT/s	8 GT/s	8 GT/s	8 GT/s
Smart Cache	-	-	-	-
Cache Memory	16 MB	12 MB	9 MB	6 MB
Processor Graphics	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630
Manufacturing Technology	14 nm	14 nm	14 nm	14 nm
sSpec	SRGDY	SRGDY	SRGQX	SRGE0
Thermal Design Power (TDP)	80 W	65 W	65 W	65 W
# of Cores	8	8	6	4
64-bit Support	Yes	Yes	Yes	Yes
Embedded	Yes	Yes	Yes	Yes
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

Cascade Lake



Product	96MPXECA-2.1-22M3A	96MPXECA-2.2-14M36	96MPXECA-2.2-17M36
Product Description	Intel Xeon Silver 4216 2.1G 22M Processor	Intel Xeon Silver 4210 2.2G 14M Processor	Intel Xeon Silver 4214 2.2G 17M Processor
Market	Server	Server	Server
Manufacturer	Intel	Intel	Intel
Processor Number	Xeon Silver 4216	Xeon Silver 4210	Xeon Silver 4214
Code Name	Cascade Lake	Cascade Lake	Cascade Lake
Socket Type	LGA1151	LGA1151	LGA1151
Processor Base Frequency	2.1 GHz	2.2 GHz	2.2 GHz
Bus Speed	9.6 GT/s	9.6 GT/s	9.6 GT/s
Smart Cache	-	-	-
Cache Memory	22 MB	14 MB	17 MB
Processor Graphics	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630
Manufacturing Technology	14 nm	14 nm	14 nm
sSpec	SRFBB	SRFBL	SRFB9
Thermal Design Power (TDP)	100 W	85 W	85 W
# of Cores	16	16	12
64-bit Support	Yes	Yes	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

DRAM
Memory
Module

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CF Card

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CPU

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RAID
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Keyboard &
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Software

Graphics Card

- High performance video, graphics, and computing capability
- Diverse display output configurations to support every scenario for visualization
- Extended product lifecycle specifically for industrial applications
- High reliability and durability for intensive use



Products

Graphics Card

Desktop Series (NVIDIA)



Product	96VG-NG710LX1-3CZ	GFX-NG710L16-3C	96VG-NG730F16-3A	96VG-NG1650F16-5L
Product Description	GT710 1G PCIeX1 DVI+HDMI+VGA	GT710 2G PCIeX16 DVI+HDMI+VGA	GT730 2G PCIeX16 HDMI	GTX1650 4G PCIeX16 DP+HDMI
Brand	ZOTAC	Advantech	EmbPower	Tul
GPU Brand	NVIDIA	NVIDIA	NVIDIA	NVIDIA
Graphics Processing	GT710	GT710	GT730	GTX1650
Interface	PCIe 2.0 x1	PCIe 2.0 x16	PCIe 2.0 x8	PCIe 3.0 x16
Memory Type	DDR3	DDR3	DDR3	GDDR5
Memory Size	1 GB	2 GB	1 GB	4GB
Multi-View	3	3	4	4
Output	DVI-D + HDMI + VGA	DVI-D + HDMI + VGA	HDMI	DP x 3 + HDMI
PCB Board (L x W)	146 x 111 mm / 5.75 x 4.38 in.	145 x 69 mm / 5.70 x 2.71 in.	145 x 111 mm / 5.70 x 4.37 in.	145 x 111 mm / 5.70 x 4.37 in.
Bracket	Low Profile/Full Height	Low Profile	Full Height	Full Height
Thermal Solution	Fanless	Fansink	Fansink	Fansink

Desktop Series (NVIDIA)



Product	96VG-NG1660SF16-6D	96VG-NR2060SF16-6L	96VG-NR2070SF16-6L
Product Description	GTX1660 Super 6G PCIeX16 DVI+HDMI+DP	RTX2060 Super 8G PCIeX16 HDMI+DP	RTX2070 Super 8G PCIeX16 HDMI+DP
Brand	Leadtek	Leadtek	Leadtek
GPU Brand	NVIDIA	NVIDIA	NVIDIA
Graphics Processing	GTX1660 Super	RTX2060 Super	RTX2070 Super
Interface	PCIe 3.0 x16	PCIe 3.0 x16	PCIe 3.0 x16
Memory Type	GDDR6	GDDR6	GDDR6
Memory Size	6GB	8GB	8GB
Multi-View	3	4	4
Output	DVI-D + HDMI + DP	HDMI + DP x 3	HDMI + DP x 3
PCB Board (L x W)	147 x 111 mm / 5.79 x 4.37 in.	241 x 111 mm / 9.49 x 4.37 in.	267 x 111 mm / 10.51 x 4.37 in.
Bracket	Full Height	Full Height	Full Height
Thermal Solution	Fansink	Fansink	Fansink

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DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

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RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

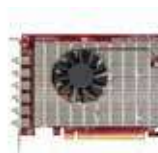
Software

Products

Graphics Card

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Desktop Series (AMD)



Product	GFX-AH7750L16-5C1	GFX-AE8860F16-5J2	GFX-AE8860F16-5A2	GFX-AE9171F16-5N
Product Description	HD7750 2G PCIeX16 DVI+HDMI+VGA	E8860 2G PCIeX16 mDP	E8860 2G PCIeX16 HDMI	E9260 4G PCIeX16 DVI+mDP
Brand	Advantech	Advantech	Advantech	Advantech
GPU Brand	AMD	AMD	AMD	AMD
Graphics Processing	HD7750	E8860	E8860	E9171
Interface	PCIe 3.0 x16	PCIe 3.0 x16	PCIe 3.0 x16	PCIe 3.0 x16
Memory Type	GDDR5	GDDR5	GDDR5	GDDR5
Memory Size	2 GB	2 GB	2 GB	4 GB
Multi-View	2	6	4	3
Output	DVI-D + HDMI + VGA	mDP x 6	HDMI x 4	DVI-I x 2 + mDP
PCB Board (L x W)	168 x 69 mm / 6.61 x 2.71 in.	145 x 111 mm / 5.70 x 4.37 in.	145 x 111 mm / 5.70 x 4.37 in.	145 x 111 mm / 5.70 x 4.37 in.
Bracket	Low Profile/Full Height	Full Height	Full Height	Full Height
Thermal Solution	Fansink	Fansink	Fansink	Fansink

Video Wall Series



Product	96VG-1G-PE-MA	96VG-2G-PE-MA	96VG-2G-PE-MA1	96VG-2G-PE-MA2
Product Description	Matrox MPX 1G PCIeX16 DVI+VGA	Matrox MPX 2G PCIeX16 DVI+VGA	Matrox MPX 2G PCIeX16 DVI+VGA	Matrox MPX 2G PCIeX16 DVI+VGA
Brand	Matrox	Matrox	Matrox	Matrox
GPU Brand	Matrox	Matrox	Matrox	Matrox
Interface	PCIe 1.0 x16	PCIe 2.0 x16	PCIe 2.0 x16	PCIe 2.0 x16
Memory Size	1 GB	2 GB	2 GB	2 GB
Multi-View	2	4	4	4
Output	DVI + VGA	DVI + VGA	DVI + VGA	DVI + VGA
SL-DVI	2048x1152 @ 60Hz	2048x1152 @ 60Hz	2048x1152 @ 60Hz	2048x1152 @ 60Hz
RGB (VGA)	2048x1536 @ 60Hz	2048x1536 @ 60Hz	2048x1536 @ 60Hz	2048x1536 @ 60Hz
Input Ports	2	N/A	2	4
SL-DVI	No Support	No Support	2560x1600 @ 30Hz	2560x1600 @ 30Hz
RGB (VGA)	No Support	No Support	2048x1536 @ 47Hz	2048x1536 @ 47Hz
Component (YPbPr)	No Support	No Support	1080i	1080i
S-Video	No Support	No Support	NTSC/PAL/SECAM	NTSC/PAL/SECAM
Composite	No Support	No Support	NTSC/PAL/SECAM	NTSC/PAL/SECAM
SDI	1920x1080	No Support	No Support	No Support
PCB Board (L x W x H)	168 x 112 x 19 mm / 6.61 x 4.40 x 0.74 in.	242 x 112 x 19 mm / 9.52 x 4.40 x 0.74 in.	242 x 112 x 19 mm / 9.52 x 4.40 x 0.74 in.	242 x 112 x 19 mm / 9.52 x 4.40 x 0.74 in.
Bracket	Full Height	Full Height	Full Height	Full Height
Thermal Solution	Heatsink	Heatsink	Heatsink	Heatsink

RAID Controller

- Complete RAID type and application introduction for beginners
- Suggested selections of RAID configured solutions
- Pre-compatibility tested to for faster time-to-market
- Full line up of RAID controllers to meet customer needs
- Trusted RAID controller manufacturers for reliable product support



Products

RAID Controller

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Adaptec

Product	96RC-SAS-4P-PE-AD4	96RC-SAS-4P-PE-AD3	96RC-SAS-8P-PE-AD4	96RC-SAS-16-PE-AD5
Product Description	Adaptec 8405E SAS 4-Port 12Gb/s	Adaptec 8405 SAS 4-Port 12Gb/s	Adaptec 8805 SAS 8-Port 12Gb/s	Adaptec 81605ZQ SAS 16-Port 12Gb/s
Manufacturer	Adaptec	Adaptec	Adaptec	Adaptec
Controller Type	Hardware RAID	Hardware RAID	Hardware RAID	Hardware RAID
Hard Drive Interface	SAS / SATA	SAS / SATA	SAS / SATA	SAS / SATA
On-Board Memory	512 MB	1 GB	1 GB	1 GB
Adapter Interface	PCIe x8	PCIe x8	PCIe x8	PCIe x8
RAID Level	0, 1, 10	0, 1, 1E, 5, 6, 10, 50, 60	0, 1, 1E, 5, 6, 10, 50, 60	0, 1, 1E, 5, 6, 10, 50, 60
Channel	4 Channel	4 Channel	8 Channel	16 Internal
Bandwidth	12 Gb/s	12 Gb/s	12 Gb/s	12 Gb/s
Backup Battery Option	N/A	N/A	N/A	Already with SuperCap



LSI

Product	96RC-SAS-8P-PE-LS5	96RC-SAS-8P-PE-LS4	96RC-SAS-8P-PE-LS6
Product Description	LSI 9341-8i SAS 8-Port 12Gb/s	LSI 9361-8i SAS 8-Port 12Gb/s	LSI 9361-8i 2G SAS 8-Port 12Gb/s
Manufacturer	LSI	LSI	LSI
Controller Type	Hardware RAID	Hardware RAID	Hardware RAID
Hard Drive Interface	SAS / SATA	SAS / SATA	SAS / SATA
On-Board Memory	N/A	1 GB	2 GB
Adapter Interface	PCIe x8	PCIe x8	PCIe x8
RAID Level	0, 1, 5, 10, 50, JBOD	0, 1, 5, 6, 10, 50, 60	0, 1, 5, 6, 10, 50, 60
Channel	8 Channel	8 Channel	8 Channel
Bandwidth	12 Gb/s	12 Gb/s	12 Gb/s
Backup Battery Option	N/A	N/A	N/A

RDIA Box (3.5")



Product	96RACK5-ST-R1-AR-B	96RACK5-ST-R1-AR6	96RACK5-ST-R1-AR7	96RACK5-ST-R1-AR2
Product Description	ARAIID SATAII RAID 0/1 2 x 3.5" HDD	ARAIID SATAIII RAID 0/1 2 x 3.5" HDD/SSD	ARAIID SATAIII RAID 0/1 2 x 3.5" HDD/SSD	ARAIID SATAII RAID 0/1 2 x 3.5" HDD
Manufacturer	Accordance Systems	Accordance Systems	Accordance Systems	Accordance Systems
Interface	SATA II,I HDD	SATA III,II,I HDD & SSD	SATA III,II,I HDD & SSD	SATA II,I HDD
Depth	19.5 cm	19.5 cm	19.5 cm	19.5 cm
Height	2 x 2.5"-3.5" Drive to 5.25" Bay	2 x 2.5"-3.5" Drive to 5.25" Bay	2 x 2.5"-3.5" Drive to 5.25" Bay	2 x 2.5"-3.5" Drive to 5.25" Bay
Max Transfer Rate	3.0 Gb/s	6.0 Gb/s	6.0 Gb/s	3.0 Gb/s
Material	Aluminium + Plastic	Metal	Metal	Aluminium + Plastic
Color	Black	White	Black	White
Keylock	Yes	Yes	Yes	Yes
RAID Level	0,1	0,1	0,1	0,1
Fan Function	Yes	Yes	Yes	Yes

RDIA Box (2.5")



Product	96RACK5-ST-R1-RN1	96RACK5-ST-R1-AR3
Product Description	RAIDON SATAIII RAID 0/1 2 x 2.5" HDD/SSD	ARAIID SATAII RAID 0/1 2 x 2.5" HDD/SSD
Manufacturer	RAIDON	Accordance Systems
Interface	SATA III, II,I HDD & SSD	SATA II,I HDD
Depth	14 cm	16.5 cm
Height	2 x 2.5" Drive to 5.25" Bay	2 x 2.5" Drive to 5.25" Bay
Max Transfer Rate	6.0 Gb/S	3.0 Gb/S
Material	Metal	Aluminium + Plastic
Color	Black	White
Keylock	Yes	Yes
RAID Level	0,1	0,1
Fan Function	Yes	Yes

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Industrial Display

- Display, a key interface of IoT world, fulfill iFactory, iBuilding, iCity, iPlant vision
- Full product line: Touch module (PCAP/RTP), OpenFrame Monitor, Monitor Set, Digital Signage and Video Wall
- Diverse applications like industrial, retail, medical, transportation, and IoT applications...
- Advantech certified quality and reliability for durable use
- Allied with global leading display suppliers



Products

Industrial Display

Projected Capacitive
Touch Module
(PCAP)



Model	TPM070PGNE00-EH30	TPM101PFGM00-E600	TPM121PFGM00-E600	TPM150PFGM00-E600
Features	Industrial-grade Touch IC	Industrial-grade Touch IC	Industrial-grade Touch IC	Industrial-grade Touch IC
	Customized CG design (Optional)	Customized CG design (Optional)	Customized CG design (Optional)	Customized CG design (Optional)
	AG/AR/AS treatment (Optional)	AG/AR/AS treatment (Optional)	AG/AR/AS treatment (Optional)	AG/AR/AS treatment (Optional)
Touch Technology	Projected Capacitive Touch	Projected Capacitive Touch	Projected Capacitive Touch	Projected Capacitive Touch
Touch Structure	Cover Glass-Glass Sensor (G/G)	Cover Glass-Film Sensor (G/F/F)	Cover Glass-Film Sensor (G/F/F)	Cover Glass-Film Sensor (G/F/F)
Sensor Active Area (AA)	155 x 91 mm	218 X 137 mm	248 X 186 mm	306 X 230 mm
Outline dimension (OD)	119 x 141 mm (CG Could be Customized)	258 X 176 mm (CG Could be Customized)	288 X 227 mm (CG Could be Customized)	347 X 271 mm (CG Could be Customized)
Cover Glass Type	0.7mm Soda lime, 7H	1.8mm Soda lime, 7H	1.8mm Soda lime, 7H	1.8mm Soda lime, 7H
Total Thickness (TPM)	1.35 mm (Typ.)	2.3 mm (Typ.)	2.3 mm (Typ.)	2.3 mm (Typ.)
Touch Controller	EETI EXC80H32, COF	EETI EXC80H60, COF	EETI EXC80H60, COF	EETI EXC80H60, COF
Noise Immunity CS	10Vrms	10Vrms	10Vrms	10Vrms
Controller Interface	USB	USB	USB	USB

Projected Capacitive
Touch Module
(PCAP)



Model	TPM156PGGM00-E600	TPM185PFGM00-E840	TPM215PGGM00-E840	TPM238PFNM00-E840
Features	Industrial-grade Touch IC	Industrial-grade Touch IC	Industrial-grade Touch IC	Industrial-grade Touch IC
	Customized CG design (Optional)	Customized CG design (Optional)	Customized CG design (Optional)	Customized CG design (Optional)
	AG/AR/AS treatment (Optional)	AG/AR/AS treatment (Optional)	AG/AR/AS treatment (Optional)	AG/AR/AS treatment (Optional)
Touch Technology	Projected Capacitive Touch	Projected Capacitive Touch	Projected Capacitive Touch	Projected Capacitive Touch
Touch Structure	Cover Glass-Glass Sensor (G/G)	Cover Glass-Film Sensor (G/F/F)	Cover Glass-Glass Sensor (G/G)	Cover Glass-Film Sensor (G/F/F)
Sensor Active Area (AA)	346 X 195 mm	412 X 232 mm	478 X 270 mm	529 X 299 mm
Outline dimension (OD)	374.4 X 223.8 mm (CG Could be Customized)	457.2 X 277.8 mm (CG Could be Customized)	520.6 X 312.1 mm (CG Could be Customized)	561.7 X 349.1 mm (CG Could be Customized)
Cover Glass Type	1.1 mm Sodlime, 7H	1.8 mm Sodlime, 7H	1.1 mm Sodlime, 7H	1.8 mm Sodlime, 7H
Total Thickness (TPM)	2.05 mm (Typ.)	2.3 mm (Typ.)	2.45 mm (Typ.)	2.3 mm (Typ.)
Touch Controller	EETI EXC80H60, COF	EETI EXC80H84, COF	EETI EXC80H84, COF	EETI EXC80H84, COF
Noise Immunity CS	10Vrms	10Vrms	10Vrms	10Vrms
Controller Interface	USB	USB	USB	USB

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DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

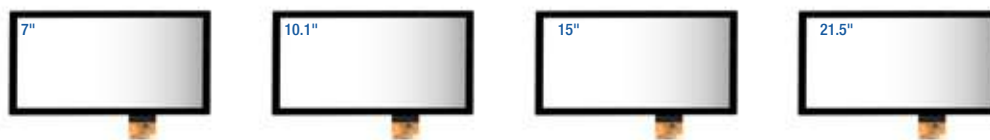
Software

Resistive Touch Module (RTP)



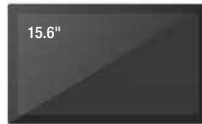
Model	TPM121R1FH00	TPM150R1FH00	TPM171R1FH00	TPM190R1FH00
Features	Durable and stable use	Durable and stable use	Durable and stable use	Durable and stable use
	High noise resistance	High noise resistance	High noise resistance	High noise resistance
	AG treatment (Optional)	AG treatment (Optional)	AG treatment (Optional)	AG treatment (Optional)
Touch Technology	Five-wire analog resistive	Five-wire analog resistive	Five-wire analog resistive	Five-wire analog resistive
Touch Structure	Film-Glass	Film-Glass	Film-Glass	Film-Glass
Sensor Active Area (AA)	250 X 188	308 X 232 mm	342 X 276 mm	383 X 307 mm
Outline dimension (OD)	268 X 204 mm (CG Could be Customized)	334 X 258 mm (CG Could be Customized)	365 X 295 mm (CG Could be Customized)	404 X 330 mm (CG Could be Customized)
Total Thickness (TPM)	2.20 mm (Typ.)	3.2 mm (Typ.)	3.2 mm (Typ.)	3.2 mm (Typ.)
Knock Test	36,000,000 times	36,000,000 times	36,000,000 times	36,000,000 times

Touch Dipslay Module (Intergrated Module with LCM+Touch)



Model	TDM07040WS-PE03E0	TDM10135WU-PE00E0	TDM15650XG-PV00E0	TDM21550FD-PV00E0
Features	Industrial Grade Touch & LCM	Support High Precision Active Pen	Industrial Grade Touch & LCM	Industrial Grade Touch & LCM
	Total Solution Ready for Use	Hi Resolution TP & LCM	Total Solution Ready for Use	Total Solution Ready for Use
	Flexible customized CG	Ready for Tablet Use	Flexible customized CG	Flexible customized CG
LCM				
Active Screen Size	7", 16:9 aspect ratio	10.1", 16:10 aspect ratio	15", 4:3 aspect ratio	21.5", 16:9 aspect ratio
Resolution	1024 x 600	1920 x 1200 (16:10)	1024 x 768	1920 x 1080
Brightness	400 nits (Typ.)	380 nits (Typ.)	500 nits (Typ.)	500 nits (Typ.)
Backlight Lifetime (Hours)	50,000 (Typ.)	50,000 (Typ.)	50,000 (Typ.)	50,000 (Typ.)
Interface	LVDS	MIPI	LVDS	LVDS
Touch				
Touch Technology	Projected Capacitive Touch	Projected Capacitive Touch	Projected Capacitive Touch	Projected Capacitive Touch
Touch Structure	Cover Glass-Glass Sensor (G/G)	Cover Glass-Glass Sensor (G/G)	Cover Glass-Glass Sensor (G/G)	Cover Glass-Glass Sensor (G/G)
Sensor Active Area (AA)	154.6 x 86.9 mm	217 x 136 mm	306 X 230 mm	478 X 270 mm
Outline dimension (OD)	193.1 x 146.1mm (CG Could be Customized)	245.8 x 167.3mm (CG Could be Customized)	347 X 271 mm (CG Could be Customized)	520.6 X 312.1 mm (CG Could be Customized)
Cover Glass Type	1.8 mm Sodaime (CS, Clear)	1.0 mm Gorilla 3 (AF)	1.8 mm Sodaime (CS, Clear)	1.8 mm Sodaime (CS, Clear)
Touch Controller	EXC-80H32, COF	EXC-80H60, COF	EXC-80H60, COF	EXC-80H84, COF
Touch Interface	USB	USB	USB	USB
Noise Immunity CS	10Vrms	10Vrms	10Vrms	10Vrms
Bonding, LCM+TP				
Bonding Mothed	Air Bond	Optical Bond	Optical Bond	Optical Bond
Bonding Material	VHB	0.2mm OCA	0.4mm OCA	0.4mm OCA
Total Tickness (TDM)	12.4mm	4.5mm	TBD	TBD

VUE-2000 Panel Mount Monitor



Model	VUE-2101		VUE-2156	
Part number	VUE-2101-WX50PX-A4	VUE-2101-WX50MX-A4	VUE-2156-FD45PX-N4	VUE-2156-FD45MX-N4
Description	10.1" Touch Panel Mount	10.1" Panel Mount	15.6" Touch Panel Mount	15.6" Panel Mount
Brand	Advantech	Advantech	Advantech	Advantech
Features	10-point touch function (PCAP)	1.8mm anti-glare (AG) cover glass	10-point touch function (PCAP)	1.8mm anti-glare (AG) cover glass
	Industrial-grade display module	Industrial-grade display module	Industrial-grade display module	Industrial-grade display module
	Installation of multi-way	Installation of multi-way	Installation of multi-way	Installation of multi-way
	Diverse connectivity for multi-media	Diverse connectivity for multi-media	Diverse connectivity for multi-media	Diverse connectivity for multi-media
	Front IP65 water-proof rating	Front IP65 water-proof rating	Front IP65 water-proof rating	Front IP65 water-proof rating
Display				
Active Screen Size	10.1 inch	10.1 inch	15.6 inch	15.6 inch
Aspect Ratio	16:10 (Wide)	16:10 (Wide)	16:9 (Wide)	16:9 (Wide)
Resolution	1280 x 800 (WXGA)	1280 x 800 (WXGA)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	500 nits (Typ.)	500 nits (Typ.)	450 nits (Typ.)	450 nits (Typ.)
Backlight Life (Hours)	50,000 (Typ.)	50,000 (Typ.)	50,000 (Typ.)	50,000 (Typ.)
Touch				
Touch Type	Projected Capacitive Touch (PCAP)	N/A	Projected Capacitive Touch (PCAP)	N/A
Touch Method	Finger/Glove/Active Stylus	N/A	Finger/Glove/Active Stylus	N/A
Connectivity				
Video Input	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1
Audio Inout	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1
Video Output	2W+2W Internal Speaker	2W+2W Internal Speaker	2W+2W Internal Speaker	2W+2W Internal Speaker
Other Ports/Slots	USB typeB x 1 (for touch), USB typeA 3.0 x 2	USB typeA 3.0 x 2	USB typeB x 1 (for touch), USB typeA 3.0 x 2	USB typeA 3.0 x 2
Power				
Power Type	External Adapter, AC to DC, 19V	External Adapter, AC to DC, 19V	External Adapter, AC to DC, 19V	External Adapter, AC to DC, 19V
Power Input	100-240VAc, 50-60Hz, 1.5A	100-240VAc, 50-60Hz, 1.5A	100-240VAc, 50-60Hz, 1.5A	100-240VAc, 50-60Hz, 1.5A
Power Consumption	15W (Typ.)	13W (Typ.)	24W (Typ.)	22W (Typ.)
Mechanical Design/Installation				
Housing Material	0.8 mm sheet metal (black)	0.8 mm sheet metal (black)	0.8 mm sheet metal (black)	0.8 mm sheet metal (black)
Waterproof Rating	Front IP65	Front IP65	Front IP65	Front IP65
Installation Rotation	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait
Mounting on Wall/Machine	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid
Mounting with Stand/Arm	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid
Mounting through Bracket	64 mm, Side mount screw hole	64 mm, Side mount screw hole	64 mm, Side mount screw hole	64 mm, Side mount screw hole
Extending PC/Peripherals	64 mm, Side mount screw hole	64 mm, Side mount screw hole	64 mm, Side mount screw hole	64 mm, Side mount screw hole
Optional Accessory				
Active Stylus	960T-A15DEE-B0	960T-A15DEE-B0	960T-A15DEE-B0	960T-A15DEE-B0
Desktop Stand	N/A	N/A	960T-DS-10H10V-M	960T-DS-10H10V-M
Wall Mount Arm	960T-WM-10H10V2	960T-WM-10H10V2	960T-WM-10H10V2	960T-WM-10H10V2

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

VUE-2000
Panel Mount Monitor



Model	VUE-2238		VUE-2121	VUE-2150
Part number	VUE-2238-FD35PX-N4	VUE-2238-FD35MX-N4	VUE-2121-XA50PX-N0	VUE-2150-XA50PX-N4
Description	23.8" Touch Panel Mount	23.8" Panel Mount	12.1" Touch Panel Mount	15.0" Touch Panel Mount
Brand	Advantech	Advantech	Advantech	Advantech
Features	10-point touch function (PCAP)	1.8mm anti-glare (AG) cover glass	10-point touch function (PCAP)	10-point touch function (PCAP)
	Industrial-grade display module	Industrial-grade display module	Industrial-grade display module	Industrial-grade display module
	Installation of multi-way	Installation of multi-way	Installation of multi-way	Installation of multi-way
	Diverse connectivity for multi-media	Diverse connectivity for multi-media	Diverse connectivity for multi-media	Diverse connectivity for multi-media
	Front IP65 water-proof rating	Front IP65 water-proof rating	Front IP65 water-proof rating	Front IP65 water-proof rating
Display				
Active Screen Size	23.8 inch	23.8 inch	12.1 inch	15.0 inch
Aspect Ratio	16:9 (Wide)	16:9 (Wide)	4:3 (Square)	4:3 (Square)
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1024 x 768 (XGA)	1024 x 768 (XGA)
Brightness	350 nits (Typ.)	350 nits (Typ.)	450nits (Typ.)	500nits (Typ.)
Backlight Life (Hours)	30,000 (Typ.)	30,000 (Typ.)	30,000 (Typ.)	50,000 (Typ.)
Touch				
Touch Type	Projected Capacitive Touch (PCAP)	N/A	Projected Capacitive Touch (PCAP)	Projected Capacitive Touch (PCAP)
Touch Method	Finger/Glove/Active Stylus	N/A	Finger/Glove/Active Stylus	Finger/Glove/Active Stylus
Connectivity				
Video Input	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DisplayPort x 1
Audio Inout	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1
Video Output	2W+2W Internal Speaker	2W+2W Internal Speaker	2W+2W Internal Speaker	3W+3W Internal Speaker
Other Ports/Slots	USB typeB x 1 (for touch), USB typeA 3.0 x 2	USB typeA 3.0 x 2	USB typeB x 1 (for touch), RJ-45 for OSD key	9 pin D-Sub x 1 (For external Function key)
Power				
Power Type	External Adapter, AC to DC, 19V	External Adapter, AC to DC, 19V	External Adapter, AC to DC, 12V	External Adapter, AC to DC, 12V
Power Input	100-240Vac, 50-60Hz, 1.5A	100-240Vac, 50-60Hz, 1.5A	100-240Vac, 50-60Hz, 3A	100-240Vac, 50-60Hz, 1A
Power Consumption	35W (Typ.)	32W (Typ.)	15W (Typ.)	18W (Typ.)
Mechanical Design/Installation				
Housing Material	1.0 mm sheet metal (black)	1.0 mm sheet metal (black)	1.0 mm steel metal (black), Aluminium bezel	1.0 mm steel metal (black), Aluminium bezel
Waterproof Rating	Front IP65	Front IP65	Front IP65	Front IP65
Installation Rotation	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait
Mounting on Wall/Machine	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid
Mounting with Stand/Arm	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid
Mounting through Bracket	64 mm, Side mount screw hole	64 mm, Side mount screw hole	75 mm, Side mount screw hole	75 mm, Side mount screw hole
Extending PC/Peripherals	64 mm, Side mount screw hole	64 mm, Side mount screw hole	75 mm, Side mount screw hole	75 mm, Side mount screw hole
Optional Accessory				
Active Stylus	960T-A15DEE-B0	960T-A15DEE-B0	960T-A15DEE-B0	960T-A15DEE-B0
Desktop Stand	960T-DS-10H10V-L	960T-DS-10H10V-L	N/A	N/A
Wall Mount Arm	960T-WM-10H10V2	960T-WM-10H10V2	960T-WM-10H10V2	960T-WM-10H10V2

VUE-3000 Touch Monitor



Model	VUE-3215		VUE-3270	
Part number	VUE-3215-FD30PX-A3	VUE-3215-FD30PX-A4	VUE-3270-FD30PX-N3	VUE-3270-FD30PX-N4
Description	21.5" Touch Monitor (White)	21.5" Touch Monitor (Black)	27.0" Touch Monitor (White)	27.0" Touch Monitor (Black)
Brand	Advantech	Advantech	Advantech	Advantech
Features	Elegant white housing	Classic black housing	Elegant white housing	Classic black housing
	AR+AS coating best fit with medical	AR+AS coating best fit with medical	AR+AS coating best fit with medical	AR+AS coating best fit with medical
	10-point touch function (PCAP)	10-point touch function (PCAP)	10-point touch function (PCAP)	10-point touch function (PCAP)
	Industrial-grade display module	Industrial-grade display module	Industrial-grade display module	Industrial-grade display module
	Diverse connectivity for multi-media	Diverse connectivity for multi-media	Diverse connectivity for multi-media	Diverse connectivity for multi-media
Display				
Active Screen Size	21.5 inch	21.5 inch	27.0 inch	27.0 inch
Aspect Ratio	16:9 (Wide)	16:9 (Wide)	16:9 (Wide)	16:9 (Wide)
Resolution	1920 × 1080 (FHD)	1920 × 1080 (FHD)	1920 × 1080 (FHD)	1920 × 1080 (FHD)
Brightness	300nits (Typ.)	300nits (Typ.)	300nits (Typ.)	300nits (Typ.)
Backlight Life (Hours)	50,000 (Typ.)	50,000 (Typ.)	40,000 (Typ.)	40,000 (Typ.)
Touch				
Touch Type	Projected Capacitive Touch (PCAP)	Projected Capacitive Touch (PCAP)	Projected Capacitive Touch (PCAP)	Projected Capacitive Touch (PCAP)
Touch Method	Finger/Glove/Active Stylus	Finger/Glove/Active Stylus	Finger/Glove/Active Stylus	Finger/Glove/Active Stylus
Connectivity				
Video Input	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1
Audio Inout	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1
Video Output	2W+2W Internal Speaker	2W+2W Internal Speaker	2W+2W Internal Speaker	2W+2W Internal Speaker
Other Ports/Slots	USB typeB x 1 (for touch), USB typeA 3.0 x 2	USB typeB x 1 (for touch), USB typeA 3.0 x 2	USB typeB x 1 (for touch), USB typeA 3.0 x 2	USB typeB x 1 (for touch), USB typeA 3.0 x 2
Power				
Power Type	External Adapter, AC to DC, 19V	External Adapter, AC to DC, 19V	External Adapter, AC to DC, 19V	External Adapter, AC to DC, 19V
Power Input	100-240VAc, 50-60Hz, 2.5A	100-240VAc, 50-60Hz, 2.5A	100-240VAc, 50-60Hz, 2.5A	100-240VAc, 50-60Hz, 2.5A
Power Consumption	35W (Typ.)	35W (Typ.)	40W (Typ.)	40W (Typ.)
Mechanical Design/Installation				
Housing Material	Plastic Texture (White)	Plastic Texture (Black)	Plastic Texture (White)	Plastic Texture (Black)
Waterproof Rating	N/A	N/A	N/A	N/A
Installation Rotation	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait
Mounting on Wall/Machine	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid
Mounting with Stand/Arm	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid	100 x 100 mm, VESA grid
Mounting through Bracket	N/A	N/A	N/A	N/A
Extending PC/Peripherals	N/A	N/A	N/A	N/A
Optional Accessory				
Active Stylus	960T-A15DEE-B0	960T-A15DEE-B0	960T-A15DEE-B0	960T-A15DEE-B0
Desktop Stand	Packing included	Packing included	Packing included	Packing included
Wall Mount Arm	960T-WM-10H10V2	960T-WM-10H10V2	960T-WM-10H10V2	960T-WM-10H10V2

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Products

Industrial Display

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VUE-5000 Large-format
Digital Signage
-4K Resolution



Model	VUE-5860		VUE-5550		VUE-5430
Part number	VUE-5860-UD41SX-L0	VUE-5550-UD50SX-V0	VUE-5550-UD50IX-V0	VUE-5430-UD50SX-V0	
Description	86" 4K Ultra HD Digital Signage	55" 4K Ultra HD Digital Signage	55" 4K IR Touch Digital Signage	43" 4K Ultra HD Digital Signage	
Brand	Advantech	Advantech	Advantech	Advantech	
Features	Vivid 4K Ultra HD resolution	Vivid 4K Ultra HD resolution	Vivid 4K Ultra HD resolution	Vivid 4K Ultra HD resolution	
	Reliable 18x7 operation	Reliable 18x7 operation	Reliable 18x7 operation	Reliable 18x7 operation	
	Convenient USB Plug and Play	With SDM slot for optional computing	With SDM slot for optional computing	With SDM slot for optional computing	
	Diverse connectivity for multi-media	Convenient USB Plug and Play	Convenient USB Plug and Play	Convenient USB Plug and Play	
	Support both AC and DC power input	Diverse connectivity for multi-media	Advanced IR 20-point touch	Diverse connectivity for multi-media	
Display					
Active Screen Size	85.6"	54.6"	54.6"	43"	
Aspect Ratio	16:9 (Wide)	16:9 (Wide)	16:9 (Wide)	16:9 (Wide)	
Resolution	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	
Brightness	410 nits (Typ.)	500 nits (Typ.)	500 nits (Typ.)	500 nits (Typ.)	
Backlight Life (Hours)	50,000 (Typ.)	30,000 (Typ.)	30,000 (Typ.)	30,000 (Typ.)	
Touch					
Touch Type	N/A	N/A	Infrared Touch (IR)	N/A	
Touch Method	N/A	N/A	20-Point Touch (USB typeB interface)	N/A	
Connectivity					
Video Input	HDMI x 4, VGA x 1, Display Port x 1	HDMI x 2, VGA x 1, DVI x 1, DisplayPort x 1	HDMI x 2, VGA x 1, DVI x 1, DisplayPort x 1	HDMI x 2, VGA x 1	
Audio Inout	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1	
Control Inout	RS-232 x 1, IR x 1, LAN x 1	RS-232 x 1, IR x 1	RS-232 x 1, IR x 1	RS-232 x 1, IR x 1, LAN x 1	
Other Ports/Slots	Micro SD Card slot x 1, OPS slot x 1, USB typeA x 4,	SDM-L x 1, Micro SD Card slot x 1, USB typeA 2.0 x 1, USB typeA 3.0 x 1	SDM-L x 1, Micro SD Card slot x 1, USB typeA 2.0 x 1, USB typeA 3.0 x 1	SDM-S x 1, Micro SD Card slot x 1, USB typeA 2.0 x 1, USB typeA 3.0 x 1	
Video Output	N/A	HDMI x 1	HDMI x 1	N/A	
Audio Output	10W+10W Internal Speaker, Audio Line out x 1	10W+10W Internal Speaker, Audio Line out x 1	10W+10W Internal Speaker, Audio Line out x 1	10W+10W Internal Speaker, Audio Line out x 1	
Control Output	RS-232 x 1, IR x 1	RS-232 x 1, IR x 1	RS-232 x 1, IR x 1	RS-232 x 1, IR x 1	
Power					
Power Type	Internal power board	Internal power board	Internal power board	Internal power board	
Power Input	100-240VAC, 50-60Hz, 6A	100-240VAC, 50-60Hz, 3.2A	100-240VAC, 50-60Hz, 3.2A	100-240VAC, 50-60Hz, 2.6A	
Power Consumption	300W (Typ.)	140W (Typ.)	140W (Typ.)	116W (Typ.)	
Mechanical Design/Installation					
Housing Material	Plastic Texture (Black)	Plastic Texture (Black)	Plastic Texture (Black)	Plastic Texture (Black)	
Waterproof Rating	N/A	N/A	N/A	N/A	
Installation Rotation	Landscape	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	
Mounting on Wall/Machine	400 x 600 mm, VESA grid	400 x 400 mm, VESA grid	400 x 400 mm, VESA grid	200 x 200 mm, VESA grid	
Optional Accessory					
Wall Mount (Adjustable)	960T-WM-80H50V	960T-WM-40H40V	960T-WM-40H40V	960T-WM-40H40V	
Wall Mount (Fixed)	N/A	960T-WM-40H40VF	960T-WM-40H40VF	960T-WM-40H40VF	

VUE-5000 Large-format
Digital Signage
-Full HD Resolution



Model		VUE-5550
Part number	VUE-5550-FD45SX-L0	VUE-5550-FD45IX-L0
Description	55" Full HD Digital Signage	55" Full HD IR Touch Digital Signage
Brand	Advantech	Advantech
Features	Clear Full HD resolution	Clear Full HD resolution
	Reliable 18x7 operation	Reliable 18x7 operation
	Convenient USB Plug and Play	Convenient USB Plug and Play
	Diverse connectivity for multi-media	Diverse connectivity for multi-media
	Support both AC and DC power input	Advanced IR 20-point touch
Display		
Active Screen Size	54.6"	54.6"
Aspect Ratio	16:9 (Wide)	16:9 (Wide)
Resolution	1920 × 1080 (FHD)	1920 × 1080 (FHD)
Brightness	450nits (Typ.)	450nits (Typ.)
Backlight Life (hours)	30,000 (Typ.)	30,000 (Typ.)
Touch		
Touch Type	N/A	Infrared Touch (IR)
Touch Method	N/A	20-Point Touch (USB typeB interface)
Connectivity		
Video Input	HDMI x 2, DVI-I x 1, DisplayPort x 1	HDMI x 2, DVI-I x 1, DisplayPort x 1
Audio Inout	Audio Line in x 1	Audio Line in x 1
Control Inout	RS-232 x 1, IR x 1, LAN x 1	RS-232 x 1, IR x 1, LAN x 1
Other Ports/Slots	Mirco SD Card x 1, USB typeA x 2, MircoUSB x 1	Mirco SD Card x 1, USB typeA x 2, MircoUSB x 1
Video Output	DVI x 1 (share with VGA), DisplayPort x 1	DVI x 1 (share with VGA), DisplayPort x 1
Audio Output	10W+10W Internal Speaker, Audio Line out x 1	10W+10W Internal Speaker, Audio Line out x 1
Control Output	RS-232 x 1, IR x 1	RS-232 x 1, IR x 1
Power		
Power Type	Internal power board	Internal power board
Power Input	100-240VAc, 50-60Hz, 2.5A	100-240VAc, 50-60Hz, 2.5A
Power Consumption	76W (Typ.)	67W (Typ.)
Mechanical Design/Installation		
Housing Material	Plastic Texture (Black)	Plastic Texture (Black)
Waterproof Rating	N/A	N/A
Installation Rotation	Landscape/Portrait	Landscape/Portrait
Mounting on Wall/Machine	400 x 400 mm, VESA grid	400 x 400 mm, VESA grid
Optional Accessory		
Wall Mount (Adjustable)	960T-WM-40H40V	960T-WM-40H40V
Wall Mount (Fixed)	960T-WM-40H40VF	960T-WM-40H40VF

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Thermal Printer

- Superior high-speed performance, durable and rugged design, multiple resolutions, and standard interface options
- Increases efficiency and productivity, ensures end-to-end traceability, and reduces errors
- Wide-range of applications in manufacturing, retail, transportation, logistics, and commercial services



Products

Thermal Printer

Industrial



Product	96PR-102-UXPH-I	96PR-254-UXPH-I	96PR-356-UXPH-I
Product Description	600dpi 4ips Industrial Barcode Printer, USB/Serial/Ethernet/Parallel/USB Host	300dpi 10ips Industrial Barcode Printer, USB/Serial/Ethernet/Parallel/USB Host	203dpi 14ips Industrial Barcode Printer, USB/Serial/Ethernet/Parallel/USB Host
Resolution	600 dpi	300 dpi	203 dpi
Max. Print Speed	102 mm/sec (4 in. / sec)	254 mm/sec (10 in. / sec)	356 mm/sec (14 in. / sec)
Max. Print Width	104 mm / 4.09 in.	104 mm / 4.09 in.	104 mm / 4.09 in.
Max. Print Length	2540 mm / 100 in.	11430 mm / 450 in.	25400 mm / 1000 in.
Printing Method	Thermal Transfer / Direct Thermal	Thermal Transfer / Direct Thermal	Thermal Transfer / Direct Thermal
USB 2.0	Yes	Yes	Yes
RS-232 (Serial)	Yes	Yes	Yes
Ethernet	Yes	Yes	Yes
Bluetooth	-	-	-
MFi (iOS)	-	-	-
Wi-Fi	-	-	-
USB Host	Yes	Yes	Yes
Parallel	Yes	Yes	Yes
Memory	128MB Flash memory 128MB SDRAM SD card reader, up to 32GB	128MB Flash memory 128MB SDRAM SD card reader, up to 32GB	128MB Flash memory 128MB SDRAM SD card reader, up to 32GB
SD Card Reader	Yes	Yes	Yes
LCD	Yes	Yes	Yes

Desktop



Product	96PR-102-UXHL-D	96PR-127-UXP-D	96PR-152-UXH-D	96PR-203-UXH-D
Product Description	600dpi 4ips Desktop Barcode Printer, USB/Serial/Ethernet/USB Host, SD card slot, LCD	300dpi 5ips Desktop Barcode Printer, USB/Serial/Ethernet/Parallel	300dpi 6ips Desktop Barcode Printer, USB/Serial/Ethernet/USB Host	203dpi 8ips Desktop Barcode Printer, USB/Serial/Ethernet/USB Host
Resolution	600 dpi	300 dpi	300 dpi	203 dpi
Max. Print Speed	102 mm/sec (4 in./sec)	127 mm/sec (5 in. / sec)	152 mm/sec (6 in. / sec)	203 mm/sec (8 in. / sec)
Max. Print Width	106 mm / 4.17 in.	106 mm / 4.17 in.	106 mm / 4.17 in.	108 mm / 4.25 in.
Max. Print Length	2540 mm / 100 in.	1016 mm / 40 in.	11430 mm / 450 in.	25400 mm / 1000 in.
Printing Method	Thermal Transfer / Direct Thermal	Thermal Transfer / Direct Thermal	Thermal Transfer / Direct Thermal	Thermal Transfer / Direct Thermal
USB 2.0	Yes	Yes	Yes	Yes
RS-232 (Serial)	Yes	Yes	Yes	Yes
Ethernet	Yes	Yes	Yes	Yes
Bluetooth	-	-	-	-
MFi (iOS)	-	-	-	-
Wi-Fi	-	-	-	-
USB Host	-	-	Yes	Yes
Parallel	Yes	Yes	-	-
Memory	128MB Flash memory 128MB SDRAM MicroSD card reader, up to 32GB	4MB Flash memory 8MB SDRAM MicroSD card reader, up to 4GB	128MB Flash memory 128MB SDRAM MicroSD card reader, up to 32GB	128MB Flash memory 128MB SDRAM MicroSD card reader, up to 32GB
SD Card Reader	Yes	Yes	Yes	Yes
LCD	Yes	-	-	-

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DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

Products

Thermal Printer

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POS Printer



Product	96PR-220-UE-D	96PR-220-USE-SB	96PR-220-US-SB	96PR-300-UE-SB
Product Description	180dpi 9ips POS Printer, USB/Ethernet	180dpi 9ips POS Printer, USB/Serial/Ethernet	180dpi 9ips POS Printer, USB/Serial	180dpi 12ips POS Printer, USB/Ethernet
Resolution	180 dpi	180 dpi	180 dpi	180 dpi
Max. Print Speed	220 mm/sec (9 in./sec)	220 mm/sec (9 in./sec)	220 mm/sec (9 in./sec)	300 mm/sec (12 in./sec)
Max. Print Width	2.83"	2.83"	2.83"	2.83"
Max. Print Length	1016 mm / 40 in.	1016 mm / 40 in.	1016 mm / 40 in.	1016 mm / 40 in.
Printing Method	Direct Thermal	Direct Thermal	Direct Thermal	Direct Thermal
USB 2.0	Yes	Yes	Yes	Yes
RS-232 (Serial)	-	Yes	Yes	-
Ethernet	Yes	Yes	-	Yes
Bluetooth	-	-	-	-
MFi (iOS)	-	-	-	-
Wi-Fi	-	-	-	-
USB Host	-	-	Yes	Yes
Parallel	-	-	-	-
Memory	-	-	-	-
SD Card Reader	-	-	-	-

Mobile Printer



Product	96PR-100-UB3-M	96PR-102-UB3-M	96PR-102-UW3-M	96PR-220-US-MB
Product Description	203dpi 4 ips Mobile Printer, USB/Bluetooth	203dpi 4ips Mobile Printer, USB/Bluetooth	203dpi 4ips Mobile Printer, USB/Wi-Fi	203dpi 3ips Mobile Printer, USB/Serial
Resolution	203 dpi	203 dpi	203 dpi	203 dpi
Max. Print Speed	100 mm/sec (4 in./sec)	102 mm/sec (4 in. / sec)	102 mm/sec (4 in. / sec)	80 mm/sec (3.14 in./sec)
Max. Print Width	80 mm / 3.14 in.	72 mm / 2.83 in.	72 mm / 2.83 in.	58 mm / 2.28 in.
Max. Print Length	1016 mm / 40 in.	2286 mm / 90 in.	2286 mm / 90 in.	1016 mm / 40 in.
Printing Method	Direct Thermal	Direct Thermal	Direct Thermal	Direct Thermal
USB 2.0	Yes	Yes	Yes	Yes
RS-232 (Serial)	-	-	-	Yes
Ethernet	-	-	-	-
Bluetooth	Yes	Yes	-	-
MFi (iOS)	-	-	-	-
Wi-Fi	Yes	-	Yes	-
USB Host	Yes	-	-	Yes
Parallel	-	-	-	-
Memory	8MB Flash memory 8MB SDRAM	4MB Flash memory 8MB SDRAM	4MB Flash memory 8MB SDRAM	8MB Flash memory 4MB SDRAM
SD Card Reader	-	-	-	-

Optical Drive

- Top of the market best-selling optical drive brands
- World class electronic performance architecture
- Easy installation and user friendly operating interface
- Handles all kinds of media and formats
- Excellent read and write speeds with SATA 3.0 Gb/s interface
- High reliability and durability perfect for intensive use



Products

Optical Drive

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Half-height



Product	96DVR-24X-ST-HL	96DVR-24X-ST-LT-B1	96DVD-18X-ST-LT-B	96DVR-24X-ST-LT-W1
Product Description	Hitachi-LG 24X SATA DVD+/-RW	LITE-ON 24X SATA DVD+/-RW	LITE-ON 18X SATA DVD-ROM	LITE-ON 24X SATA DVD+/-RW
Manufacturer	Hitachi-LG	LITE-ON	LITE-ON	LITE-ON
Type	DVD-RW	DVD-RW	DVD-ROM	DVD-RW
Speed	24X	24X	18X	24X
Interface	SATA	SATA	SATA	SATA
Color	Black	Black	Black	White
MTBF (hours)	100,000	70,000	70,000	70,000
Dimensions (W x H x D)	146 x 41.3 x 165 mm / 5.75 x 1.63 x 6.5 in.	146 x 41.3 x 170 mm / 5.75 x 1.63 x 6.69 in.	146 x 41.3 x 170 mm / 5.75 x 1.63 x 6.69 in.	146 x 41.3 x 170 mm / 5.75 x 1.63 x 6.69 in.

Slim



Product	96SDVR-8X-ST-HL-BB	96SDVR-8X-ST-HL-B1	96SDVR-8X-ST-LT-B2	96SDVR-8X-ST-TE-B
Product Description	"Hitachi-LG Blu-Ray Super Slim 8X SATA DVD+/-RW "	Hitachi-LG Slim 8X SATA DVD+/-RW	LITE-ON Slim 8X SATA DVD+/-RW	TEAC Slim 8X Slot-Loading SATA DVD+/-RW
Manufacturer	Hitachi-LG	Hitachi-LG	LITE-ON	TEAC
Type	DVD-RW	DVD-RW	DVD-RW	DVD-RW
Speed	8X	8X	8X	8X
Interface	SATA	SATA	SATA	SATA
Color	Black	Black	Black	Black
MTBF (hours)	60,000	150,000	60,000	60,000
Dimensions (W x H x D)	128 x 9.5 x 127 mm / 5.04 x 0.37 x 5 in.	128 x 12.7 x 127 mm / 5.04 x 0.5 x 5 in.	128 x 12.7 x 126.1 mm / 5.04 x 0.5 x 4.96 in.	128 x 12.7 x 129.4 mm / 5.04 x 0.5 x 5.09 in.

Keyboard & Mouse

- Classic style, rugged and spill-resistant design
- Low-profile, whisper-quiet keys and standard layout with full-size f-keys and number pad
- Easy to set up and use, plug the cable into a USB port and use it right away
- Compact and comfortable in either hand
- Optical technology with a three-button for smooth, precise control



Keyboard/Mouse



Product	96KB-104U-LT-TW	96KB-104U-MS-US-B	96KB-88USB-WK-TW-B	96MS-0P2-USB-LT3
Product Description	Logitech Keyboard 104 Keys USB Traditional Chinese	Microsoft Keyboard 104 Keys USB US English	WINTeK 88Keys USB+PS2 Traditional Chinese	Logitech Mouse Optical USB
Brand	Logitech	Microsoft	Wintek	Logitech
Color	Black	Black	Black	Black
Number of Keys	104	104	88	2
Housing Design	Plastic	Plastic	Plastic	Plastic
Interfaces	USB	USB	USB	USB
Dimension (W x H x L)	113 x 38 x 406 mm / 4.45 x 1.5 x 16 x in.	160 x 42.7 x 456 mm / 6.28 x 1.68 x 17.9 in.	150 x 19 x 290 mm / 5.94 x 0.75 x 11.45 in.	180 x 130 x 52 mm / 7.09 x 5.13 x 2.06 in.
Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 50°C (32 ~ 122°F)	5 ~ 35°C (41 ~ 115°F)
Storage Temperature	-20 ~ 50°C (-4 ~ 122°F)	-40 ~ 60°C (-40 ~ 140°F)	-40 ~ 55°C (-40 ~ 131°F)	-20 ~ 50°C (-4 ~ 122°F)
Safety	RoHS	CE / FCC / CNS	CE / FCC / CNS	RoHS
Weight (lb.)	226.7 g / 0.5 lb.	595 g / 1.32 lb.	340.1 g / 0.75 lb.	204.1 g / 0.45 lb.
Manufacture Warranty	3 years	3 years	1 year	3 years

Keyboard & Mouse



Product	96KBMS-1040P-MS1	96KBMS-104-MS-WTB
Product Description	Microsoft Wired Keyboard & Mouse Traditional Chinese	Microsoft Wireless Keyboard & Mouse US English
Brand	Microsoft	Microsoft
Color	White	Black
Number of Keys	104 Keys	104 Keys
Housing Design	Plastic	Plastic
Interfaces	USB	USB
Dimension (W x H x L)	160 x 42.7 x 456 mm / 6.28 x 1.68 x 17.9 in.	160 x 42.7 x 456 mm / 6.28 x 1.68 x 17.9 in.
Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-40 ~ 60°C (-40 ~ 140°F)	-40 ~ 60°C (-40 ~ 140°F)
Safety	CE / FCC / CNS	CE / FCC
Weight (lb.)	697.8 g / 1.54 lb.	669.7 g / 1.47 lb.
Manufacture Warranty	3 years	3 years

Software

- Enterprise-quality security for Small and Medium Business
- Fast boot times and responsiveness
- Simple to setup and manage
- Disaster Recovery - Automatic secure offsite data backup
- Increased application uptime through multi-site failover clustering
- Flexible and cost-effective data storage
- Combine on-premises servers with cloud on your terms



Products

Software

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Windows Server 2019

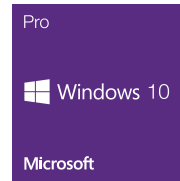
Product	96SW-SER19STD-EN	96SW-SER196DEV5-EN	96SW-SER19USE5-EN
Product Description	Windows Server 2019 Standard - 16 Core License Pack	Windows Server 2019 - License - 5 Device CAL	Windows Server 2019 - License - 5 User CAL
Manufacturer	Microsoft	Microsoft	Microsoft
Language Supported	English	English	English
Distribution Media / Method	DVD-ROM	License	License
Product Type	Operating System	Software Licensing	Software Licensing
License Quantity	16 Core	5 Device CAL	5 User CAL
Platform Supported	PC	PC	PC
Operating System Supported	Windows	Windows	Windows



Windows Server 2019

Product	96SW-SER19STD-TW	96SW-SER196DEV5-TW	96SW-SER19USE5-TW
Product Description	Windows Server 2019 Standard - 16 Core License Pack	Windows Server 2019 - License - 5 Device CAL	Windows Server 2019 - License - 5 User CAL
Manufacturer	Microsoft	Microsoft	Microsoft
Language Supported	Traditional Chinese	Traditional Chinese	Traditional Chinese
Distribution Media / Method	DVD-ROM	License	License
Product Type	Operating System	Software Licensing	Software Licensing
License Quantity	16 Core	5 Device CAL	5 User CAL
Platform Supported	PC	PC	PC
Operating System Supported	Windows	Windows	Windows

Windows 10 Pro



Product	96SW-WIN10P1-64-EN1	96SW-WIN10P1-64-CN	96SW-WIN10P1-64-JP	96SW-WIN10P1-32-EN
Product Description	Windows 10 Pro 64-bit 1 Pack English	Windows 10 Pro 64-bit 1 Pack Traditional Chinese	Windows 10 Pro 64-bit 1 Pack Japanese	Windows 10 Pro 32-bit 1 Pack English
Manufacturer	Microsoft	Microsoft	Microsoft	Microsoft
Language Supported	English	Traditional Chinese	Japanese	English
32-bit/64-bit	64-bit	64-bit	64-bit	32-bit
Distribution Media / Method	DVD-ROM	DVD-ROM	DVD-ROM	DVD-ROM
Product Type	Software Licensing	Software Licensing	Software Licensing	Software Licensing
License Quantity	Single license	Single license	Single license	Single license
Platform Supported	PC	PC	PC	PC
Operating System Supported	Windows	Windows	Windows	Windows

Office 2019



Product	96SW-OFFHOM19-TW1	96SW-OFFHOM19-EN2	96SW-OFFBUS19-ML
Product Description	Office Home and Business 2019	Office Home and Business 2019	Office Professional 2019 ESD
Manufacturer	Microsoft	Microsoft	Microsoft
Language Supported	Traditional Chinese	English	Traditional Chinese
Distribution Media / Method	Box Pack	Box Pack	Download
Product Type	Software Suite	Software Suite	Software Licensing
Application	Classic 2019 versions of Word, Excel, PowerPoint, Outlook and OneNote	Classic 2019 versions of Word, Excel, PowerPoint, Outlook and OneNote	Classic 2019 versions of Word, Excel, PowerPoint, Outlook, Publisher and Access
Platform Supported	PC	PC	PC
Operating System Supported	Windows & MAC OS	Windows & MAC OS	Windows & MAC OS

DRAM
Memory
Module

SSD

Hard Drive

CF Card

Power Supply

CPU

Graphics Card

RAID
Controller

Industrial
Display

Thermal Printer

Optical Drive

Keyboard &
Mouse

Software

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Taipei & IoT Campus	886-2-2792-7818
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Osaka	81-6-6267-1887
Nagoya	81-0800-500-1055

Korea

Toll Free	080-363-9494/5
Seoul	82-2-3660-9255

Singapore

Singapore	65-6442-1000
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Malaysia

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Penang	60-4-537-9188

Thailand

Bangkok	66-02-2488306-9
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Vietnam

Hanoi	84-24-3399-1155
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Indonesia

Jakarta	62-21-751-1939
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Australia

Toll Free	1300-308-531
Melbourne	61-3-9797-0100

India

Bangalore	91-80-2545-0206
Pune	91-94-2260-2349

Europe

Netherlands

Eindhoven	31-40-267-7000
Breda	31-76-523-3100

Germany

Toll Free	00800-2426-8080/81
Munich	49-89-12599-0
Düsseldorf	49-2103-97-855-0

France

Paris	33-1-4119-4666
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Italy

Milan	39-02-9544-961
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UK

Newcastle	44-0-191-262-4844
London	44-0-870-493-1433

Spain

Madrid	34-91-668-86-76
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Sweden

Stockholm	46-0-864-60-500
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Poland

Warsaw	48-22-31-51-100
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Russia

Moscow	8-800-555-01-50
St. Petersburg	7-812-332-5727; 7-921-575-1359

Czech Republic

Ústí nad Orlicí	420-465-524-421
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Ireland

Galway	353-91-792444
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Americas

North America

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Ottawa	1-815-433-5100

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Toll Free	0800-770-5355
São Paulo	55-11-5592-5367

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